

# INNOVATION AND TECHNOLOGY TRANSFER

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## Note to readers

The Commission of the European Communities is arranging the first European conference on patents and innovation, **PATINNOVA 90**, in Madrid on 22-23 May 1990. It will focus on the connections between industrial and scientific research activities on the one hand, and the national, and international patent systems on the other.

During **PATINNOVA 90**, practitioners from firms, patent offices and research organizations will report on their "patent and innovation" experience using case studies and model simulations, thus illustrating the potential benefits that "best practice" can bring. In this connection the impact of the future Single Market on patent and licensing strategies will be a major topic of discussion.

You will find more information on **PATINNOVA 90** in the supplement to this issue of I&TT.

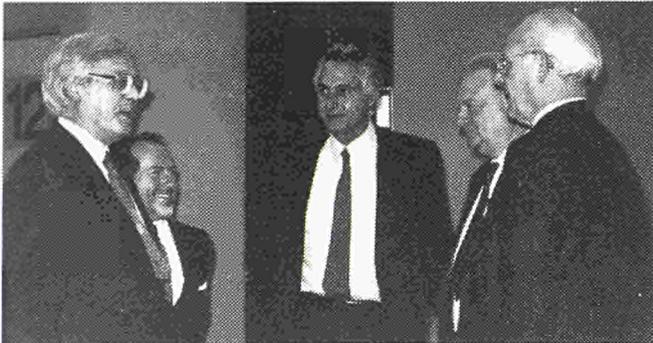
Developments in **Central and Eastern European countries** have led to a series of new Community initiatives being launched by the CEC. Some of these are at an advanced stage of preparation, e.g. the **TEMPUS PROGRAMME**. In this issue of I&TT you will find a first overview of such activities. We hope to be able to give you in the next issue of I&TT a more in-depth picture of the CEC's strategy regarding collaboration with Central and Eastern European countries in R&D and innovation matters. We are aware that this topic is of high interest to many of our readers.

A. S. Strub

Director for Exploitation of Research, Technological Development, Technology Transfer and Innovation

## VICE-PRESIDENT F. M. PANDOLFI VISITS DG XIII IN LUXEMBOURG

F. M. Pandolfi, the Commissioner in charge of Research and Development, visited the services of DG XIII in Luxembourg. These services are in charge of the management of the two **technology transfer programmes SPRINT and VALUE**, the **IMPACT programme** (Development of the Information Market), and the **machine translation R&D programmes**



Mr Dondelinger, Commissioner for Information and Communication, Mr Parajón Collada, Mr Marchini Camia, Chef de cabinet of Mr Pandolfi, Mr Carpentier, Mr Pandolfi.



Mr Parajón Collada, Deputy Director- General of DG XIII, Mr Pandolfi, CEC Vice-President, Mr Carpentier, Director-General of DG XIII.

**EUROTRA and SYSTRAN.** After a presentation of these activities, Mr Pandolfi informed DG XIII staff on the state of the new **RTD Framework Programme** and the new initiatives in favour of the **Central and Eastern European Countries** (see below and pages 7/8). Mr Pandolfi was accompanied by Mr Dondelinger, CEC Commissioner in charge of Information and Communication, and Mr Steichen, Minister of Education of the Luxembourg government.

## THIRD FRAMEWORK PROGRAMME SOON TO BE APPROVED

The **third Framework Programme for Scientific and Technological R&D (1990-1994)** will soon be approved by the Council in the form adopted as a common position last December (see I&TT, 1/90, page 2/3). Concertation with the European Parliament did not lead to total agreement. But this did not result in a blockage, both institutions being aware on the need not to delay the adoption. Contacts between the Presidencies of the Council and the Parliament allowed for some improvements to the 'declarations' by the Council in response to demands by the EP. The Parliament will probably indicate that it is not against the adoption of the Programme. Then the Council will adopt the Framework Programme, which will **open the way to its implementation as foreseen by 15 specific R&D programmes.**

I&TT will keep you up to date with further developments.

## Mr PANDOLFI PROPOSES A PROGRAMME FOR R&D COOPERATION WITH THE UNITED STATES

Mr Pandolfi, Vice President of the CEC, made a speech before the US National Academy of Sciences Forum on '**Science and technology and European market integration**', during which he proposed **five priority areas for R&D cooperation between the Community and the United States:**

1. **Large-scale scientific projects:** Mr Pandolfi proposes the identification of possibilities for concertation and cooperation, with a view to arriving at common approaches in a number of very expensive large-scale initiatives: global change, the human genome, fusion, high-energy physics and SSC, space stations, deep-sea research station and deep drilling on land.
2. **Information technologies:** progress can still be made in the area of programmes financed by public funds.
3. **Prenormative research in the biotechnology sector:** This concerns the establishment of cooperation in this area in which the public authorities will be called on increasingly to exercise their legislative and normative responsibilities.
4. **Research and environment:** it is necessary to finalise modules comprising larger geographical areas than those which have been conceived thus far.
5. **Research and technological development with and for the countries of Eastern Europe.**

These five concrete areas for concertation and cooperation between the Community and the United States should, according to Vice-President Pandolfi, be explored as from now, though this is not an exhaustive or binding list. A task force covering these areas is due to be set up before the EEC-United States ministerial meeting planned for 23 and 24 April. This task will be at a high political level and will not be permanent. It will have the aim of encouraging work undertaken jointly. I&TT will keep you up to date with further developments.

## THE WINNERS: ABET LAMINATI, BD EDICIONES DE DISEÑO AND MAHO SECOND AWARD OF THE EUROPEAN COMMUNITY DESIGN PRIZE

The award ceremony for the European Community Design Prize was held at 6.30 p.m on Monday 26 March 1990 at the Spanish Ministry of Industry and Energy, under the chairmanship of Mr Vincente Parajon-Collada, Deputy Director-General of DG XIII, and in the presence of Mr Aranzadi, the Spanish Minister of Industry and Energy.

The winners of the Prize, Abet Laminati (I), BD Ediciones de Diseño (E) and Maho (D), received special congratulations from the jury and the Chairman for their efforts to integrate design into their strategy for small and medium-sized enterprises. An honourable mention went to the Design Museum (UK) in London for its contribution towards increasing public awareness of design. Finally, Nautech (UK) received a special mention, and the jury also drew attention to two companies, Coloplast (DK) and Valrhona (F). In his address,



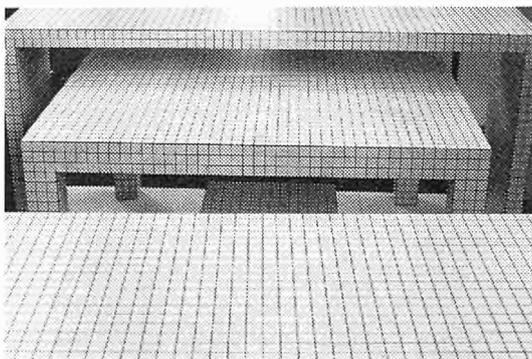
Mr Parajón Collada awards the trophy to Mr Carulla, Director General of BD Ediciones de Diseño

Mr Parajon-Collada particularly stressed the decisive importance of design to businesses, especially small and medium-sized enterprises, as a management tool for improving competitiveness, product quality, and the image and message of the company.

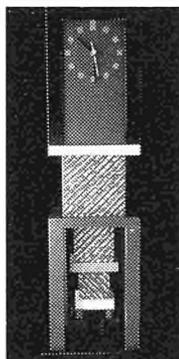
All these factors usually led to technological innovation and commercial success. A catalogue describing all the businesses put forward has been produced and can be obtained from the national design promotion bodies. An exhibition covering all the businesses put forward is currently showing in Madrid and will subsequently be available to travel to the other Member States upon request. If you are interested in displaying this exhibition, please get in touch directly with: Mrs Mercè Reus, B.C.D. Centro de Diseño, Passeig de Gracia 90, E-08008 Barcelona, Tel.: 34 3 215 87 50, Fax: 34 3 487 26 96.



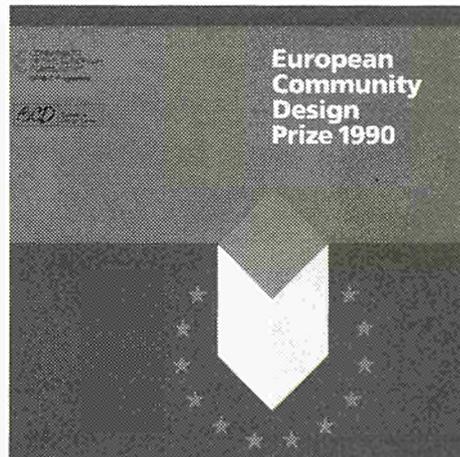
The panel during the award ceremony with M. Aranzadi, Minister of Industry and Energy (ES), in the centre



SERIE QUADERNA, ABET LAMINATI, Bra (Italy)



CASABLANCA '81, ABET LAMINATI, Bra (Italy)



The ECDP 1990 catalogue

Further information can be obtained from Mr E. Faroult, Commission of the European Communities, DG XIII/C/1, B4/075, Jean Monnet Building, L-2920 Luxembourg, Tel.: (352) 4301-4371, Tlx: 3423 / 3446 COMEUR LU, Fax: (532) 4301-4129.

### EXHIBITION: 'EUREKA AND THE EUROPEAN TECHNOLOGICAL COMMUNITY'

- Rome — June 1990 -

This exhibition will be organised by the Italian Government in cooperation with the CEC, CERN, ESO, EMBL and the EUREKA Secretariat. It will serve as a meeting point for researchers and industrialists and highlight European progress in the field of R&D.

For further information, please contact: Mr M. André, CEC, DG XII, SDME 01/38, 200, rue de la Loi, B-1049 Brussels, Tel.: (32) 2 236.07.81, Fax.: (32) 2 235.88.65.

## IMPLEMENTATION OF THE R&amp;D COOPERATION WITH EFTA COUNTRIES

Status as of 30 March 1990

COMMUNITY R&D PROGRAMMES	Framework Agreement between the European Communities and:					
	AUSTRIA signed on 15.7.86	FINLAND signed on 29.4.88	ICELAND signed on 30.10.89	NORWAY signed on 27.6.86	SWEDEN signed on 13.1.86	SWITZER- LAND signed on 8.1.86
Medical and Health Research 1987-1991 (L334/87) (A)	(5) (L 74) 20.3.90	(5) (L 74) 20.3.90		(7) (L 74) 9.3.90	(5) (L 74) 20.3.90	(5) (L 74) 20.3.90
Human Genome Analysis 1990-1991 (not adopted yet)						
Radiation Protection 1990-1991 (L200/89)					(2)	
Environmental Protection 1986-1990 (L159/88) (A.C)	(x) 1.6.89 (3 c.a.p.)	(7) L304/89 12.1.90		(7) L304/89 23.11.89	(x) 2.6.89 (7 c.a.p.)	(x) 25.1.89 (5 c.a.p.)
STEP 1989-1992 (L339/89) (Environmental protection) (A.B)	(1)	(1)		(1)	(1)	
EPOCH 1989-1992 (L339/89) (Climatology and natural hazards) (A.B)						
ESPRIT II 1988-1992 (L118/88) (Information technologies) (B.C)	(y) 7 projects	(y) 10 projects		(y) 12 projects	(y) 21 projects	(y) 17 projects
RACE 1987-1992 (L16/88) (Telecommunications) (B)	(y) 3 projects	(y) 14 projects		(y) 14 projects	(y) 21 projects	(y) 10 projects
DRIVE 1988-1991 (L206/88) (Informatics in road safety) (B)		(y) 2 projects		(y) 5 projects	(y) 18 projects	
AIM 1988-1990 (L314/88) (Informatics in medicine) (B)		(y) 5 projects		(y) 2 projects	(y) 4 projects	(y) 1 project
DELTA 1988-1990 (L206/88) (Informatics in education) (B)						(y) 2 projects
BRITE/EURAM 1989-1992 (L96/89) (Industrial technologies / advanced materials) (B)	(y) 3 projects	(y) 7 projects		(y) 2 projects	(y) 5 projects	(y) 8 projects
Raw Materials: FOREST 1990-1992 (L159/86) (Forestry) (A.B)						
Recycling Waste 1990-1992 (L359/89) (A.B)						
BCR 1988-1992 (L206/88) (Applied metrology) (A)		(2)			(2)	(2)
FLAIR 1989-1993 (L200/89) (Food technologies) (B.C)					(y) 3 projects	(y) 1 project
JOULE 1989-1992 (L96/89) (Non-nuclear energy) (B)		(y) 8 projects	(y) 1 project	(y) 2 projects	(y) 5 projects	(y) 3 projects
MAST 1989-1992 (L200/89) (Machine science) (A.B)		(y) 1 project		(y) 4 projects		
SCIENCE 1988-1992 (L206/88) (Scientific cooperation) (A)	(7) (L 50) 27.2.90	(5) (L 50) 26.2.90	(2)	(7) (L 50) 9.3.90	(5) (L 50) 26.2.90	(7) (L 50) 27.2.90
SPES 1989-1992 (L44/89) (Economic science) (A)	(2)	(2)		(2)	(2)	(2)

(1) Draft agreement under negotiation

(2) Draft agreement under Community internal procedures

(3) The European Parliament approved the conclusion of the agreement on. . . .

(4) The Council of Ministers adopted the Decision for the conclusion of the agreement on. . . .

(5) Council Decision published in the Official Journal of the European Communities (L) on. . . .

(6) Agreement signed on. . . .

(7) Agreement came into force on. . . .

(x) This country signed the Community-COST Concertation Agreement on 7 concerted action projects (c.a.p.) on. . . .

(y) This country participates in. . . .

Non-EC countries cooperation modes foreseen in the Community Programmes: A (full participation), B (participation at the project level), and C (concerted actions)

**For further information, please contact:** Mr V. Nieto, CEC, DG XII/G/1, SDME 3/84, 200, rue de la Loi, B-1049 Brussels, Tel.: (32) 2 235.77.64, Tlx: 21877 COMEUR B, Fax: (32) 2 236.33.08 (DG XII programmes), Mr J. Rosenbaum, CEC, DG XIII/E/5, BRE 6/83, 200, rue de la Loi, B-1049 Brussels, Tel.: (32) 2 235.05.98, Tlx: 21877 COMEUR B, Fax: (32) 2 236.23.27 (telecommunications programmes), Mr. J. Collisson, CEC, DG XIII-A, BRE 10/191 (information and communications technologies), Tel.: (32) 2 236.20.67, 2 235.38.21

## NEW AGREEMENTS ON R&D COOPERATION CEC-EFTA

### 1. SCIENCE/PROGRAMME

The Council decision of 12 February 1990 concerning the conclusion of a Cooperation Agreement between the European Economic Community and EFTA States (Austria, Finland, Norway, Sweden, Switzerland), on a programme plan to stimulate the international cooperation and interchange needed by European research scientists (Science) is published in the Official Journal L50 of 26/2/1990.

### 2. MEDICAL AND HEALTH RESEARCH

This Council decision of 5 March 1990 concerning the above-mentioned countries is published in the Official Journal L74 of 20/3/1990.

### 3. ELECTRONIC DATA INTERCHANGE SYSTEMS

This Council decision of 21 December 1989 is published in the Official Journal L400 of 30/12/1989.

## EUROENVIRON — THE GREEN UMBRELLA

### EUREKA ASSISTS INDUSTRY IN ENVIRONMENTAL R&D

**EUROENVIRON** is the green 'umbrella' project within the framework of the European research and development initiative Eureka (see I&TT 1/89, page 4). **EUROENVIRON helps companies and research organisations in the fields of environmental technologies** to undertake innovative R&D which can lead to new products and processes. Because it is a collaborative project, companies are helped to form alliances which can make more cost-effective use of personnel and facilities, as well as leading to longer-term relationships in terms of marketing and joint ventures. **EUROENVIRON is the European environmental bourse for the exchange of information, ideas and proposals**, where companies and research organisations can find partners for their environmental research department. **EUROENVIRON offers a means of quick and efficient distribution of information on ideas, project proposals and market opportunities.**



**Further information can be obtained from:** Mr L. Durieux, CEC, DG XII/G/2, SDME 01, 200 rue de la Loi, B-1040 Brussels, Tel.: (32) 2 235.07.18, Tlx.: 21877 COMEUR B, Fax.: (32) 2 236.33.08 or The EUREKA Secretariat, 19H, av. des Arts, Bte 3, B-1040 Brussels, Tel.: (32) 2 217.00.30. Tlx.: 29340 EUREKA B, (32) 2 218.79.06.

## STEP: SCIENCE AND TECHNOLOGY FOR ENVIRONMENTAL PROTECTION CALL FOR PROPOSALS

The main objective of STEP is the **provision of scientific and technical support for the environmental policy of the Community**, as well as for other relevant Community policies such as energy, agriculture, industry and aid to developing countries, both for the solution of short-term policy questions and for the medium- and long-term formulation of preventive and anticipatory policies. By this call for proposals, the Commission of the European Communities wishes to receive proposals for participation in the research, by means of shared-cost contracts, concerning the following **research areas**:

1. Environment and human health;
2. Assessment of risks associated with chemicals.

Proposals must reach the Commission by 5 p.m. on 15 June 90. Further details about the programme and on how to apply are given in the STEP information file, **which may be obtained on written request from the following address:** CEC, STEP Programme, Directorate XII/E/1, 75 rue Montoyer, B-1040 Brussels, Telex: 21877 Comeur B, Fax: 2-236 30 24.



### ENVIRONMENTAL RESEARCH NEWSLETTER

The latest issue of the Environmental Research Newsletter reports on various CEC research initiatives to protect the environment (water, soil, ecosystem, climatology and natural hazards), the CORINE Programme (see page 13), the greenhaus effect, etc.

**It can be obtained from** the editor, Dr. Borlé-Talpaert, JRC-Ispra, Institute for the Environment, I-21020 ISPRA, Tel.: (39) 332.789.724, Fax: (39) 332.789.001.

## NEW COST COMMITTEES IN THE AREAS OF METEOROLOGY, SOCIAL SCIENCES AND CHEMISTRY

COST will set up **new technical Committees** (which have been accompanying COST work for several years, with in particular the task of analysing needs in specific sectors, possibilities for coordination in national research projects and the possibilities of establishing COST actions in certain sectors). Four technical committees — made up of experts from the countries taking part in COST, and representatives from the Commission already exist: transport, telecommunications, social sciences and chemistry; three new committees will be added in the areas of **meteorology, the timber industry and materials**.

Two further COST projects will be started soon:

- COST action No. 114, aimed at inter-disciplinary scientific and technological cooperation with the aim of **improving the inter-connections between computers and telecommunications**;
- COST action No. 234 **devoted to communication via mono-mode optical fibres with extended capacity**. The main aim of this action (lasting four years and for which the overall cost is estimated at around 300.000 ECU) includes the study of the system and its components with a view to extending the wave length range for communication via mono-mode optical fibres.

For further information, please contact: Mr E. Ballabio, CEC, DG XIII-D-1, BRE 7/223, 200 rue de la Loi, B-1040 Brussels, Tel.: (32) 2 23 5777 55, Fax: (32) 2 23 56 828 (cost project 234); Mr R. Speth, DG XIII/A/2, BRE 10/215, Tel.: (32) 2 23 60416, Fax: (32) 2 2353821 (cost project 114)

## COST: EUROPEAN PROCEDURE FOR QUALITY ASSURANCE IN NUCLEAR MEDICINE SOFTWARE FIRST ANNUAL REPORT AVAILABLE

Initiated under the framework of COST — European cooperation in the field of science and technology — in September 1988, this project today involves more than 12 European countries, including collaborative participation with Hungary, and several international organisations (IAEA, WHO, EANM) (see I&TT, 5/89, page 7). The specific **objectives** of the project are:

- to **develop quality assurance procedures** and create organ-based software phantoms with data bases, standards of data acquisition, etc;
- to **create procedures for evaluation**, testing and acceptance of software phantoms and software;
- to evaluate and co-ordinate the **development of special software knowledge**, such as based systems in nuclear medicine.

As a result of its first year of activity, a first proposal for '**A standard protocol for the exchange of nuclear medicine image files**' (available on request) will soon be submitted to the European standardisation bodies. The **COST B2 First Annual Report and information relating to participation in this project is available on request from**: Mr K. Pithan, CEC, DG XII/G/1, SDME 03/82, 200, rue de la Loi, B-1049 Brussels, Tel.: (32) 2 235.76.69, Tlx: 21877 COMEUR B, Fax: (32) 2 235.76.69



## FLAIR PROGRAMME ON FOOD-LINKED AGRO-INDUSTRIAL RESEARCH 35 NEW PROJECTS UNDER WAY

Thirty-five new research projects in food science and technology have been chosen for support under the **Community's FLAIR Programme** (see I&TT, 5/89, page 10). The projects will involve partners from eleven EC Member States, five EFTA countries and Yugoslavia, and will be carried out through pre-competitive collaborative R&D which promotes cooperation between industry, universities and research institutions (both public and private).

A list of the projects selected and further information on FLAIR can be obtained from Mr P. F. Rexen, Commission of the European Communities, DG XII/F/3, SDME 03/73, 200, rue de la Loi, B-1049 Brussels, Tel.: (32) 2 236.31.64 / 236.09.73, Tlx: 21877 COMEUR B, Fax: (32) 2 236.20.07 / 236.01.45.

## FINAL ADOPTION OF THE R&D PROGRAMME IN THE FIELD OF AGRICULTURE

The Council finally approved the R&D Programme in the area of agricultural competitiveness and the management of agricultural resources, on which the 'common position' had been reached last October (see I&TT, 5/89, page 10). With a financial package of **55 million ECU for the five years (1989-1993)**, this programme has as its aims: to help farmers adapt to the new situation created by over-production and to conserve natural resources and safeguard the countryside as well as the environment.

**Action will be centered on:** reconversion, diversification of production, the reduction of costs and protection of the rural environment; the quality of products; new uses for traditional farm products; plant and animal health aspects; the socio-economic aspects and specific action for all regions lagging behind in development; methods and services for the dissemination of agricultural information regarding research.

Further information can be obtained from: Mrs A. Dumoulin, CEC, DG VI/F/II-3, 200, rue de la Loi, B-1049 Brussels Tel.: (32) 2 235.89.39, Tlx: 22037 AGREC B, Fax: (32) 2 236.30.29, further (information is also given in Official Journal L 58 of 7/3/1990).

## CEC COOPERATION WITH COUNTRIES IN CENTRAL AND EASTERN EUROPE

Below we give information on the state of CEC actions in favour of the countries of Eastern and Central Europe. So far, the **PHARE Programme** is the basis for the activities already being implemented, which are as yet restricted to Poland and Hungary. The meetings of the Council during the next months will decide on further initiatives and the opening-up of CEC support towards other countries in Eastern Europe (starting with the Council meeting of 21 April in Dublin). The Commission announced it would soon present a new plan of action in favour of these countries, in the context of the coordination of support measures. By mid-April the Commission will put forward a proposal to the Council on **scientific and technical cooperation** between the CEC and Central and Eastern European countries.

In the next issue of I&TT we will inform you about the results of these Council meetings.

### PHARE: ECONOMIC ASSISTANCE TO POLAND AND HUNGARY

The objective of the **PHARE Programme** (budget 300 million ECU up to 31.12.1990) is to implement economic aid measures in favour of Poland and Hungary. The aid should be used to support the process of reform in these countries, being in particular aimed at the private sector. **PHARE** has been set up in close cooperation with the "group of 24" countries (CEC and OECD). Projects concern in particular the areas of agriculture, industrial support and development, environment, training, and technical cooperation in other areas.

As regards the **environment**, the basic philosophy is to incorporate ecology into the economy, thereby leading to a totally new strategy based on true energy prices, pollution monitoring systems, new standards for industry and quick action on air and water pollution, where efficient techniques should be introduced.

As regards **training**, most actions should be in the following areas: on-the-job industrial training linked to industrial restructuring, export market research, management courses, and financial services training. Programmes in this area are already well underway as set out below.

The **PHARE Programme** proposal is published in Official Journal C 375 of 23.12.1989.

## TEMPUS PROGRAMME TO ASSIST EASTERN EUROPEAN COUNTRIES: COMMISSION PROPOSES A TRANS-EUROPEAN MOBILITY SCHEME FOR UNIVERSITY STUDIES

The Commission has put forward its proposal for the **TEMPUS Programme**. It pursues the following objectives:

1. to coordinate the provision of assistance in the field of **exchange and mobility**, particularly for university students and teachers;
2. to **improve training** and to encourage co-operation with partners in the EC;
3. to enable students to spend a **period of study** at university or to find industry placements **within the EC**;
4. to enable students from the Community to spend a **similar period of study** or placement in a **Central or Eastern European country**;
5. to increase opportunities for the teaching and learning of **foreign languages**;
6. to promote the **increased mobility** of teaching staff.

Eligible are countries of Central and Eastern Europe, starting with Poland and Hungary.

The full text of this Commission proposal is published in the Official Journal C 85 of 3.4.1990. It is expected that the TEMPUS Programme and the European Training Foundation (see page 8) will be approved by the 'General Affairs' Council at its meeting on 8.5.1990.

For further information, contact: Mr D. O'Sullivan (see address on page 8)

## PROPOSAL FOR NEW COMMUNITY ACTION: COOPERATION IN THE FIELD OF ECONOMICS (ACE) FOR POLAND AND HUNGARY

The CEC is currently discussing the possibility of launching a **specific action for cooperation in the field of economic research** for Poland and Hungary (ACE). This activity could be implemented under the PHARE Programme, for example. ACE should be designed to create specific linkages amongst professional and academic economists.

The ACE Programme should provide assistance in the form of **scholarships, fellowships, research projects/networks, training courses, conferences** etc. It should be implemented in close cooperation with the SPES Programme (see 12). It is expected that ACE could be started by the end of 1990.

For further information, please contact: Mr H. Reichenbach, CEC, DG II/B/1, 200, rue de la Loi, B-2040 Brussels, BERL 07/103, Tel.: (32) 2 235.64.08, Fax.: (32) 2 235.89.81 or Mr R. Thomas, Commission of the European Communities, DG XII, M075 04/24, 200, rue de la Loi, B-1049 Brussels, Tel.: (32) 2 235.47.07, Tlx.: 21877 COMEUR B, Fax.: (32) 2 236.33.07.

## ETF: EUROPEAN TRAINING FOUNDATION TO ASSIST THE COUNTRIES OF CENTRAL AND EASTERN EUROPE

The main objective of the ETF is to contribute to the adaptation of **the training systems of Poland and Hungary to the new market conditions**. It will focus on vocational training, continuous training and training in specific sectors.

Its role will be to ensure effective cooperation in the implementation of assistance to the countries of Central and Eastern Europe in the field of vocational training by:

- contributing to **identifying their training needs**;
- acting as a **clearing house** through which information on demands and offers of assistance can be filtered;
- promoting and facilitating **multilateral assistance** by arranging for specific multinational teams or multi-national co-financing of specific projects.

The Foundation will be set up as an autonomous body during 1990 and will have a **close collaboration with CEDEFOP** (European Centre for the Development of Vocational Training) in Berlin. The ETF should be constituted by the end of the current year and should be fully operational in 1991. The Foundation will be financed by a contribution from the Community budget (an estimated 6 millions ECU for 1990) and possible other donations.

**For further information, contact:** Mr D. O'Sullivan, CEC, TFHR, rue Joseph II, 37-4/39, 200, rue de la Loi, B-1049 Brussels, Fax: (32) 2 23.72.95 (see also Official Journal C 86 of 4.4.1990).

## ECONOMIC COOPERATION: CEC — CENTRAL AND EASTERN EUROPEAN COUNTRIES AGREEMENTS

The following **economic cooperation agreements** have been concluded in the last few months:

1. **USSR:** The cooperation agreement came into force on 1 April; the joint committee will hold its first meeting in Moscow on 10 and 11 May (see Official Journal of 15/3/90).
2. **Hungary and Poland:** The cooperation agreements are already in force and the joint committees have already met.
3. **Czechoslovakia:** The cooperation agreement was initialed in March and might be signed at the beginning of May.
4. **Bulgaria:** The EC is preparing a negotiating mandate with a view to the extension of the current simple trade agreement.
5. **East Germany (GDR):** The cooperation agreement was initialed on 13 March and is expected to be signed in the course of 1990.

## INNOVATION, RESEARCH, DEVELOPMENT, NEW TECHNOLOGIES: RELATIONS WITH CENTRAL AND EASTERN EUROPE INITIATIVES, CONTACTS, COOPERATION POSSIBILITIES

The rapid political change is producing a new window of opportunity, and many research and technology transfer institutions wish to set up **joint ventures and cooperation agreements with partners in Eastern Europe**. Below we give you an overview of some initiatives which may help you to find partners in Eastern European countries.

1. **TII, the European Association of Technology Transfer Institutions**, is planning contact-making opportunities with Eastern European technology transfer institutions. These may include visits and training seminars. Various TII members are already actively engaged in technology cooperation projects. **Contact:** Mr Chris Hull, TII, 3, rue des Capucins, L-1313 Luxembourg, Tel.: (32) 2 46.30.35, Fax: (32) 2 46.21.85, Tlx.: 6105111 GMA Lu.

2. **Eastern European Opportunities Alert** is a new publication **covering the commercial developments and ventures now emerging in Eastern Europe**. It is published weekly, costs £ 240 per annum and will enable users to monitor developments quickly and easily across a wide range of sectors of industry. **For further information contact:** H.S. Crawshaw, Informat Ltd, Votec House, Hambridge Lane, Newbury, Berks, RG14 5TN, UK, Tel: 44-635-34867.

3. **The Association of German Technology Centres (ADT)** has published a short **leaflet on cooperation possibilities** in the field of innovation and technology transfer. It can be obtained from: Mr H. Fiedler, ADT, Gustav-Meyer-Allee 25, D-1000 Berlin 65, Tel.: (49) 30 469.41.57, Fax: (49) 30 463.30.95 (10 DM).

4. **The European Foundation Centre** is exploring the possibilities for the setting-up of **new foundations**, as well as for the promotion of cooperation between universities. **For further information, contact:** European Foundation Centre, 51, rue de la Concorde, B-1050 Brussels, Tel.: (32) 2 512.89.38, Tlx.: 21504 FEC BXB, Fax: (32) 2 512.32.65.

5. **GBI** (Gesellschaft für betriebswirtschaftliche Information) **has set up a database for cooperation possibilities** with Eastern European countries. **For further information, contact** GBI, Postfach 13 23, Bahnhofstr. 27a, 8043 München-Unterföhring, Tel.: (49) 89 950.60.95, Fax: (49) 89 950.39.78.

## ELECTRONIC MAIL AND COMPUTER CONFERENCING SERVICE

### EUROKOM NEWS: THE NEW MENU SYSTEM

EuroKom, the CEC-sponsored electronic-mail and computer conferencing service, currently provides a range of services to over 24500 users in 17 different European countries. The new **Eurokom Menu System** was implemented on 5 February 1990 and comprises:

**Mail/Conferencing** — a service combining the facilities of personal E-mail with computer conferencing;

**Eurocontact** — a database to help organisations find partners for European research projects, particularly those seeking to participate in R&D programmes sponsored by the CEC;

**File Transfer** — an exchange of word-processed or typeset documents, spreadsheets, graphics and programs;

**Directory Service** — provision of intermail names and EuroKom user names;

**Unix News** — providing a gateway to the Unix News worldwide bulletin service;

**Project Synopses** — a database containing brief details of all projects in the ESPRIT Programme.



The Eurocontact service will be extended to further programmes (e.g. BRITE-EURAM); a number of full-screen editors is foreseen, and interesting developments in the database field generally are in the pipeline. **Contact:** EuroKom Brussels, rue Guimard 15, B-1040 Brussels, tel: 32-2.513.19.15 Fax: 32-2.513.28.53

## COSINE - ADVANCED COMMUNICATIONS NETWORK

### COOPERATION FOR OPEN SYSTEMS INTERCONNECTION NETWORKING FOR RESEARCHERS

The **fifteenth meeting of the COSINE Policy Group** was opened by Dr E. Busek, Federal Minister for Science and Research, in Vienna on 1st February 1990. **COSINE**, which means '**Cooperation for Open Systems Interconnection Networking in Europe**', is a EUREKA project involving twenty European countries and the Commission of the European Communities. It aims at the **creation of an open, standardised computer networking environment for all researchers in Europe**. During this meeting the **first series of activity plans** was approved. These concern message handling, information and directory services and inter-continental file transfer services, amongst others, and will complement the international X.25 Infrastructure or IXI project for a pan-European research network, which has already been started by the COSINE community and the Commission.

A budget was approved, for 1990, for the COSINE Project Management Unit to carry out the contractual work involved. This unit is operated by **RARE** (Réseaux Associés pour la Recherche Européenne), the European Association of research computer networks, and the work is monitored on behalf of the COSINE participants by the Commission of the European Communities. The COSINE Policy Group emphasised that **future networking would be based on globally accepted standards**, and that therefore migration of existing networks to these standards is an important element in its policy.

Additional information on this project, can be obtained from **COSINE Policy Group Secretariat**, Mr N. Newman, Commission of the European Communities, DG XIII/A/2, A-25 5/12, 200, rue de la Loi, B-1049 Brussels, Tel.: (32) 2 236.05.22, Tlx: 21877 COM-EUR B, Fax: (32) 2 235.06.55

### OPEN SYSTEMS INTERNATIONAL:

## INTERNATIONAL HARMONISATION GROUP HOLDS INAUGURAL MEETING

The CPS Forum, created last December as part of a major agreement to **harmonise global OSI testing by the Corporation for Open Systems International (COS)** in the US, the Promoting Conference for OSI (POSI) in Japan, and the Standards Promotion and Application Group (SPAG) in Europe, has just completed its inaugural meeting in Tokyo.

The objectives of the Forum are to **develop a common technical framework for conformance testing**, and to coordinate and share responsibility for the development of conformance test systems within that framework. The first items on the agenda for the CPS Forum were the adoption of general operating procedures by the founding members, and the acceptance of the Interoperability Technology Association for Information Processing (INTAP) as a new member. Under the agreed terms of reference, the CPS Forum will be headed by a management/technical committee (designated the CPSMC/TC), comprising two members each from COS, POSI, SPAG and INTAP. A number of specific proposals were presented and adopted, including a CPSPT (project team) to develop the common technical framework to facilitate conformance test development. Other organisations expressing interest in joining will be invited for discussions.

For further information please contact: Karen Garside, SPAG, avenue Louise 149, Box 7, B-1050 Brussels, Tel: 32-2.535.08.40 Fax: 32-2.537.24.40

**AN ESPRIT INITIATIVE:****VERY LARGE SCALE INTEGRATED CIRCUIT (VLSI) DESIGN ACTION  
TO OVERCOME BOTTLENECKS IN INDUSTRY**

While the Community's academic institutions are of high quality, the existing VLSI design training capacity can only accommodate about 1500 students per year, and will have to expand by at least another 3000 per year if Europe's immediate needs are to be met. The **shortage of trained designers is now limiting the use of advanced microelectronics** in a number of industrial sectors which are critically dependent on it, including small and medium-sized enterprises (SMEs). Against this background, the CEC has launched a new action **to provide an infrastructure for, and an impetus to, VLSI design training.**

About 50 fabrication runs will be launched over a limited period of two to three years. Each run will include multi-project chips and wafers from academic institutions in several countries. A total of 52 universities and polytechnics drawn from all Member States will participate fully in the action. To enhance their training capabilities, in an area of particular concern to the Community, they will be provided with access to a range of industrial fabrication facilities and to high-quality CAD software. Furthermore, 60 institutions from Community Member States will be provided with free access, within budgetary limits, to foundry services only, and 6 universities and polytechnics from EFTA countries will take part on a 'pay-as-you-use' basis. A central Service Organisation has been set up, responsible for all aspects of the Europe-wide action, consisting of a consortium of five leading technology organisations.

For further information, please contact Mr K. Woelcken, CEC, DG XIII—A, 200, rue de la Loi, B-1040 Brussels (A 25-7/2), Tel.: (32) 23 62271, Fax.: (32) 23 56502

**ESPRIT OVERSUBSCRIBED — 450 PROPOSALS RECEIVED**

**Submissions for 450 new projects**, for a total cost of ECU 3,853 million, have been received in response to the latest call for proposals for the ESPRIT Programme. 50% funding by the European Community of all the proposals received would mean overspending its budget by seven times. A final selection should have been completed by the end of April. More than half the projects relate to **information processing**, 28% to **computer-integrated manufacturing** and 22% to **office and business systems**.

ESPRIT is the European Strategic Programme for Research and Development in Information Technology. Its first phase, from 1984, involved 226 projects. Two-thirds of work for its second phase has already been approved, in the form of 180 projects involving nearly 800 organisations.

Further information: Mr J. Collisson, CEC, DG XIII-A, BRE 10/191, 200, rue de la Loi, B-1040 Brussels, Tel.: (32) 2 236.20.67, Tlx: 21877 COMEUR B, Fax: (32) 2.236.33.91

**NEW CEC INITIATIVE:****EPHOS: EUROPEAN PROCUREMENT HANDBOOK FOR OPEN SYSTEMS**

The EPHOS project is a European Community venture which will **harmonize European procurement specifications related to Open System standards in Information Technology**. At the end of the project, these harmonized specifications will be published in the form of a 'European Procurement Handbook for Open Systems' for use by public sector purchasers wishing to achieve open IT systems as required by European legislation.

The EPHOS project will commence from the documentary base provided by GOSIP, the UK procurement work on Open Systems. It will give due priority to standardized profiles from the European standardization bodies CEN/CENELEC/ETSI.

The **scope** of the EPHOS project is **the establishment of a harmonized procurement procedure for Open Systems products** which can be used by all Member States in their procurement contracts in the areas of Information Technology File Transfer, Electronic Mail, and Wide-Area Communication.

Further information is available from the EPHOS Project Manager: Mr Jeff Thomas, EPHOS Project Office, Central Computer and Telecommunications Agency, Riverwalk-House, 157-161 Millbank, London SW1P 4RT, UK, Tel: +44 1 217 3140 (+44 71 217 3140 after 7 May 1990), Fax: +44 1 217 3449 (+44 71 217 3449 after 7 May 1990)

**UPDATED STATISTICS ON THE PRODUCTION OF ONLINE DATABASE SERVICES**

The EC Information Market Observatory (IMO) of February 1990 reports on the production and availability of **online databases** in 1988. Here are the main conclusions: **the USA produces twice as many ASCII databases as the EEC**, hosts distribute mainly **databases produced in their own countries**, and the **share of the for-profit sector in database production keeps on growing** within the EEC.

**Copies of the IMO issue of February 1990, as well as the sixth survey on electronic information users in Europe can be obtained from:** Mr S. Lustac, CEC, DG XIII-B, JMO B4/016, L-2920 Luxembourg, Fax: (035) 2 4301-2847, Tlx.: 3423/3446 COMEUR LU.

**HIGH-DEFINITION TELEVISION:**

***OUT OF THE LABORATORIES, INTO THE STUDIOS VISION 1250***

**VISION 1250** is a new European Economic Interest Grouping which will set up and manage HDTV facilities and make them available for use by European producers, programme-makers and TV professionals within the European Community. These facilities will have a comprehensive range of high-definition television equipment operating to the European standards of production and transmission.

This recognition was reflected in concrete terms in the subsequent Council Decision of April 1989, which sets out a comprehensive Community strategy for the introduction of High-Definition Television services in Europe. This decision addresses five crucial areas:

1. **technology** — to ensure that the industry develops all the necessary equipment in time;
2. **standards** — to promote the adoption of the European standard as the single world standard for HDTV;
3. **the market** — to promote the widest use of the European system throughout the world;
4. **services** — to promote the timely introduction of HDTV services in Europe;
5. **programmes** — to ensure that the European film and television production industry achieves the necessary capacity and experience in HDTV to be competitive on the world market.

Further information can be obtained from: Mr Yves Domzalski, CEC, DG XIII/E/5, BRE 6/91, 200, rue de la Loi, B-1040 Brussels, Tel.: (32) 2 235.30.53, Tlx: 21877 COMEUR B, Fax: (32) 2 236.27.23.

**1989 REPORT ON THE PROGRESS OF THE INTEGRATED SERVICES DIGITAL NETWORK**

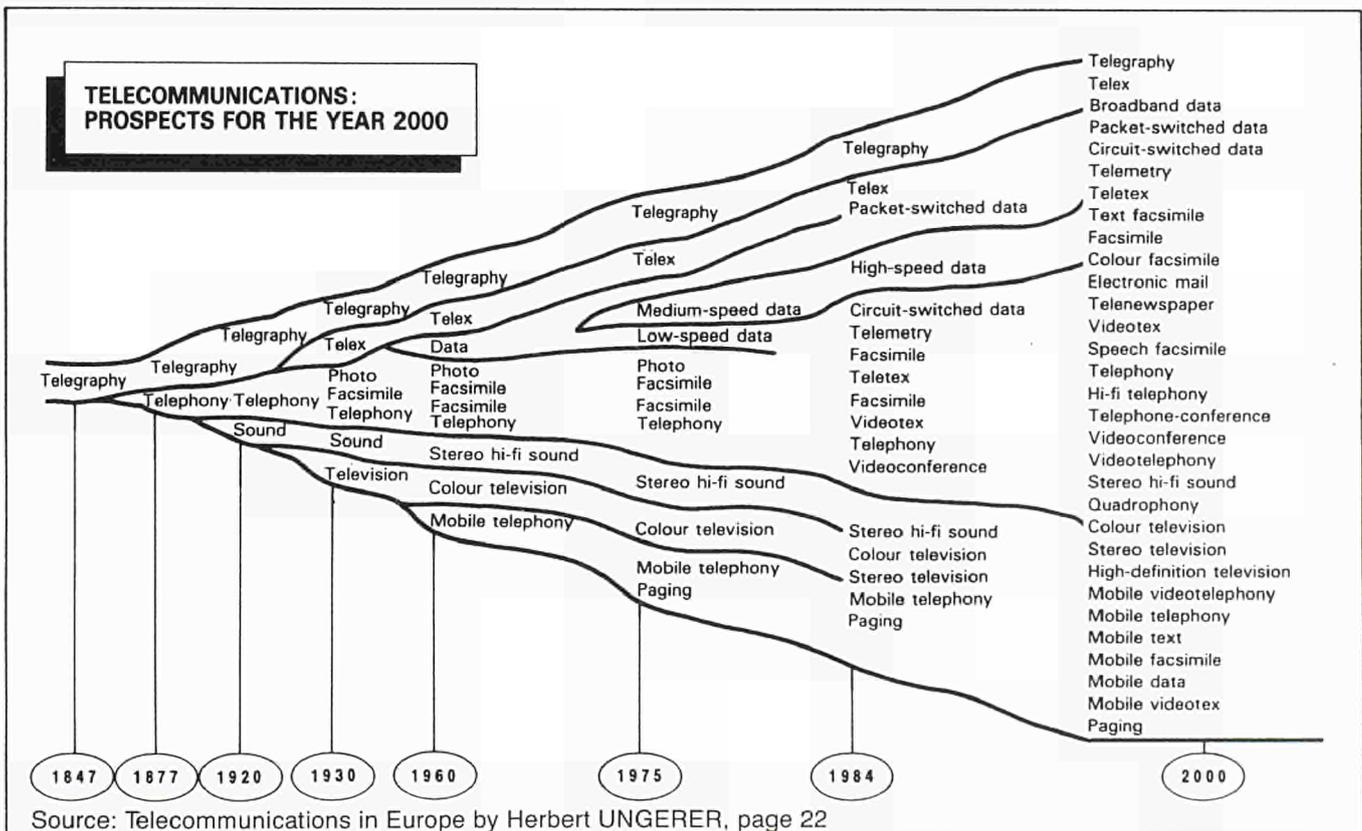
Commenting on the 1989 report of the **state of progress of the introduction of the ISDN** — Integrated Services Digital-network — in the Community, Vice-President **Mr F.M Pandolfi** welcomed the progress made. The report (based on data supplied by the Member States and the information collected by the Commission) notes that, by the end of 1989, four Member States had established national commercial ISDNs and related services.

**Order form:** Please send me a copy of the Progress Report on ISDN

Address: .....

.....

**Please return to:** Mr J. Rosenbaum , Commission of the European Communities, DG XIII-E, BRE 6/83, 200, rue de la Loi, B-1040 Brussels, Tel.: (32) 2 235.92.35/235.05.60, Tlx: 21877 COMEUR B, Fax: (32) 2 236.27.23.



## TRANSNATIONAL COOPERATION BETWEEN RESEARCHERS IN ECONOMICS

### AWARDS UNDER THE SPES PROGRAMME

Following the opinion of the E-CODEST (Committee for the European Development of Science and Technology), expressed at its meeting of 23 January 1990, the Commission has made awards totalling 650 000 ECU to eight projects. 25 applications were rejected. Of the eight projects receiving awards, three relate to the creation or development of networks, and one concerns the construction of a data base. The research projects deal with:

- **European long-term unemployment** and its causes,
- **labour relations in the emerging 'European' companies,**
- the consequences of **full capital mobility** inside the EC,
- **technical change** and **sectoral restructuring.**

The eight selected applications involve some 40 European universities and research institutes in nine EC Member States, as well as in Sweden. The next round of allocations of SPES funds will take place in June 1990.

**Details of these January awards and further information** on the SPES Programme can be obtained from Mr R. Thomas (address as in article on ACE, see page 7).

### CREATION OF EUROPEAN ECONOMIC RESEARCH AND ADVISORY CONSORTIUM

Four economic research institutes — INSTITUT FÜR WIRTSCHAFTSFORSCHUNG (IFO — Munich, FRG), BIPE CONSEIL (Paris, France), PROMETEIA CALCOLA (Bologna, Italy) and ECONOMISCH INSTITUUT (Rotterdam, Netherlands) — have created the **EUROPEAN ECONOMIC RESEARCH AND ADVISORY CONSORTIUM (ERECO)**, which is taking the form of a European Economic Interest Grouping. The founding members will ask institutes in each Community country to join. The consortium's **objective is joint research projects, joint assessment of research results and exchanges for researchers.**

**ERECO will also publish economic studies under its own name and organize international conferences. Its first short-term economic forecasts,** together with outlooks for ten major economic sectors, will be presented in Brussels on June 26. ERECO's potential is unique in Europe. It brings together the expertise of 350 economists, engineers and sociologists, who have learned the value of teamwork through their past collaboration. They are keen to enrich this experience by working together more extensively, and their clients will reap the full benefits of this further collaboration.

Contact: ERECO, Brussels office — 48, rue du Cardinal, 1049 Brussels, Tel: 230 22 12 — 230 14 87, Fax: 230 64 99.

### RESEARCH OPPORTUNITIES AND SCIENTIFIC TRAINING IN JAPAN EUROPEAN COMMUNITY SCIENTIFIC TRAINING PROGRAMME

In an exploration of ways of interacting with Japanese research, the European Commission agreed with Japan to set up an **exchange scheme for young researchers**, initially on a pilot basis. Its aim is to equip European scientists at the start of their research careers with the ability to interact fruitfully with the evolving Japanese research system.

The programme is open to nationals of Member States of the Community, who have completed their doctoral degree or acquired equivalent professional experience; the usual age range for the programme is 25-35. Participants in the Programme will be sent to Japan for a 3 month full-time Japanese language course followed by between 12 and 18 months' full-time work in a Japanese host laboratory. Applications should be received by the Commission by 30 April 1990.

Contact: Mr M. Merla, CEC, DG XII, 200, rue de la Loi, B-1040 Brussels, Tel.: (32) 2 235.39.90, Fax: 2 236.33.08.

### TENTH BUSINESS TRAINING PROGRAMME IN JAPAN TO BE STARTED SOON

The CEC has chosen the 47 male and female candidates who will take part in the 10th training programme (ETP-Executive Training Programme) to be held in Japan over an 18-month period, starting on 28 May. The Commission noted with satisfaction that many demands came from SMEs this year. The Japanese market has never been more open; the Commission wants to encourage SMEs to penetrate it, and the ETP can help them enormously in this. All sectors of the economy are represented, ranging from consumer goods to services.

Contact: Mr W. FLEIG, CEC, DG III/A/1, 200 rue de la Loi, B-1049 Brussels, Tel.: (32) 2 235 64 11, Fax: (32) 2 235 01 26-(32) 2 235 93 86

### THE 2ND EUROPEAN VALUE MANAGEMENT CONFERENCE

PARIS — LA DEFENSE, 24 - 25 OCTOBER 1990

This conference, supported by the SPRINT Programme of the CEC, will be **the place and the opportunity for exchanges between European associations on development of the method** and on implementation in relation to other disciplines. The now continuous exchanges between European Value Analysis associations promoted by the CEC highlight the significant increase in use of the methodology and the results that organizations obtain when applying it, independently of geographical location. Value management, and in particular the tools of functional analysis and functional performance specification, are becoming the common point in a series of specific techniques aimed at ensuring a new style of management on the way towards total quality. This 2nd European conference will propose the opening-up of Value Management **to complementary disciplines that have similar goals or to areas of application as yet unexplored.**

Information: MCI Organization, 8, Rue J'Isly, F-75008 Paris, Tel. (33) 1 4294 27 67, Fax (33) 1 4293 29 67

## INFORMATION ON THE EC ENVIRONMENTAL POLICY:

### AGREEMENT ON CREATION OF THE EUROPEAN ENVIRONMENT AGENCY

The 'Environment' Council has reached **agreement on the creation of the European Environment Agency** and has accepted the amendments voted by Parliament and upheld by the CEC. All that remains to be done is to decide **on the headquarters of the Agency**, but the formal decision to create the Agency has now been taken.

**CEC Commissioner, Mr Ripa di Meana**, in commenting on the results obtained concerning the Agency, expressed his satisfaction that **the Commission's main idea, i.e. an Agency in two phases** (first of all data collection via the information network to be installed, then enlargement of activities) had been practically upheld. In concluding, he said that the Agency would be the **'specialised scientific arm of the Commission regarding the environment'**, in a spirit of total independence, as confirmed in the Regulation, which he welcomed.

### FURTHER DECISIONS OF THE ENVIRONMENT COUNCIL: WASTE POLICY, FREE INFORMATION, CLIMATIC CHANGES

#### 1. WASTE POLICY

The Council adopted a Resolution on the Community strategy as regards **the management of waste**. In this Resolution the Council welcomes a series of initiatives to reduce the production of waste and underlines the importance of disseminating new clean technologies.

Contact: Mr J.M. Junger, CEC, DG XI/A/3, GUIM MEZ/39, 200, rue de la Loi, B-1040 Brussels, Tel.: (32) 2 235.54.42, Fax: (32) 2 235.01.44.

#### 2. FREE ACCESS TO INFORMATION

The Council agreed on a proposal for a directive aimed at **ensuring free access to and dissemination of environmental information** held by public authorities, as well as the basic conditions under which this information would be available.

Contact: Mr H. Scheuner, CEC, DG XI/3, GUIM 03/39, 200, rue de la Loi, B-1040 Brussels, Tel.: (32) 2 235.35.30, Fax: (32) 2 235.01.44.

#### 3. CLIMATIC CHANGES

**With a view to the Second World Conference on the Climate in Geneva in October 1990**, the Council underlined the necessity of close coordination of the position of the Member States and invited the Commission to present appropriate proposals.

Contact: Mr G. Corcelle, CEC, DG XI/B/3, GUIM 07/24A, 200, rue de la Loi, B-1040 Brussels, Tel.: (32) 2 235.93.03, Fax: (32) 2 236.27.21.

#### 4. 'POST-CHERNOBYL' REGIME

The Council decided on a new **'Post-Chernobyl' Regulation** relating to the conditions for importation into the EEC of farm products from third countries, following the accident which occurred at the Chernobyl nuclear plant. This Regulation replaces that adopted in 1987 and will be applicable as from 1 April 1990 until 31 March 1995 at the latest.

#### 5. OTHER DECISIONS

The Council also discussed other important items, such as **pollution by motor vehicles, a proposal regarding genetically modified organisms and water pollution by nitrates** etc.

The above Council decisions will soon be published in the Official Journal.

### THE EUROPEAN PARLIAMENT APPROVES THE CONTINUATION OF THE 'CORINE' PROGRAMME

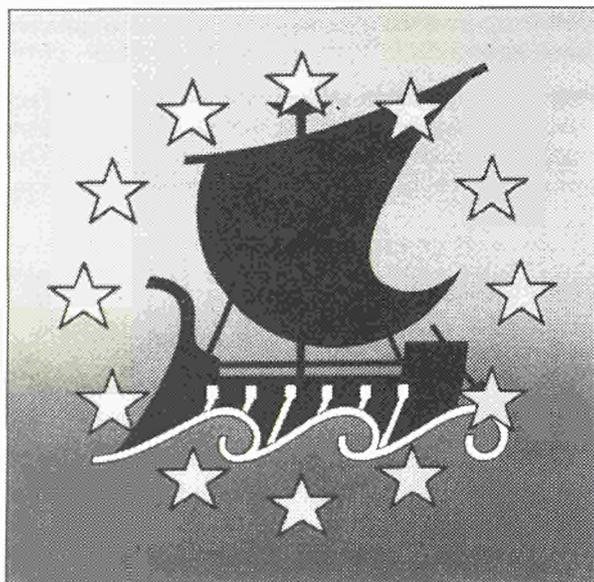
The EP has approved the extension of the **'CORINE'** programme for the **collection, coordination and coherent exploitation of data on the state of the environment and natural resources** of the Community (see I&TT, 5/89, page 9). The programme expires this year. The EP asked that the programme be extended 'for a maximum of 2 years' (instead of simply 'two years'), pending its integration into the European Environmental Agency (see above).

### MR RIPA DI MEANA PROPOSES A CONFERENCE ON ENVIRONMENTAL PROBLEMS IN THE EAST-WEST CONTEXT

The state of the environment in Central Europe and in the USSR is characterized by the phenomena of acid rain and nuclear plants which were 'not particularly safe and often obsolete'. In the light of this situation, **Mr Ripa di Meana**, the European Commissioner responsible for environmental affairs, announced that he would ask the Irish Presidency to hold a conference of the Environment Ministers of the Twelve and their counterparts in Central Europe and in the Soviet Union.

## MAST 1989-1992:

## DO YOU WANT YOUR COMPANY'S NAME PRINTED FREE OF CHARGE IN THE EUROPEAN DIRECTORY OF MARINE INSTRUMENTAL AND SERVICES?



As reported in I&TT, 1/90 (page 8), the MAST Programme seeks to support research in the marine sector. The relevant departments are now setting up a **directory of marine instrumentation and services**.

**If you are interested in this directory, please contact:** Mr J. Boissonnas or Dr M. Weydert, CEC, DG XII-E, SDME 03/46, 200, rue de la Loi, B-1049 Brussels, Tel.: (32) 2 236.23.78, Tlx.: 21877 COM-EUR B, Fax: (32) 2 236.30.24.

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**EUROPEAN WORKING SESSION ON LEARNING**

**EUROPEAN WORKING SESSION ON LEARNING** will be held in Oporto on 6-8 March 1991. The deadline for submission of papers is 15/10/90. Persons interested are requested to submit **five** copies their of full papers, max. 6000 words, to the **Programme Chairman**, Yves Kodratoff, Univ. Paris-Sud, Equipe Inférence et Apprentissage, Building 490, LRI, F-91405 Orsay France.

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**PLAN TO SUPPORT AND FACILITATE ACCES TO LARGE-SCALE SCIENTIFIC AND TECHNICAL FACILITIES AND INSTALLATIONS OF EUROPEAN INTEREST**

The aim of this programme is to optimize the use of large-scale scientific facilities and installations and to **provide access to researchers who would not normally have such access**. The Commission has published the list of large-scale facilities and installations pre-selected under the Community plan. In accordance with the Council Decision, those bodies that are pre-selected are required to put forward proposals jointly with potential users; **offers should be sent by 1 june 1990** at the latest to the address below.

**List of pre-selected facilities and installations:**

Riso National Laboratory, Cold Neutron Facilities at DR3;  
 Hahn-Meitner-Institut Berlin GmbH, BER-11 Neutron Source;  
 Laboratoire L. Brillouin, ORPHEE Neutron Source;  
 Università di Firenze LENS, European Laboratory for nonlinear Spectroscopy;  
 Istituto Nazionale di Fisica Nucleare, PULS/PWA Nazionali del Gran Sasso;  
 University College Cork, National Microelectronics Research Centre.

**Additional information and proposal documents can be obtained from:** Mr L. Bellemin, CEC, DG XII-HI, "Large-scale facilities", MO 75/04/31, 200, rue de la Loi, B-1040 Brussels, Tel.: (32) 2 235.36.96, Fax: (32) 2 236.33.07.

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**DOSES NEWSLETTER ON THE DEVELOPMENT OF STATISTICAL EXPERT SYSTEMS**

This new newsletter reports regularly on all relevant developments covered by DOSES programme.

Order form: Please send me the DOSES newsletter on a regular basis

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Postal Code: \_\_\_\_\_ Town: \_\_\_\_\_ Country \_\_\_\_\_

**Please return to:** Statistical Office, Doses Programme, JMO C5/35, L-2920 Luxembourg, Tlx.: 3423/3446 COMEUR LU, Fax: (352) 4301-4771.



**BRITE/EURAM: INDUSTRIAL TECHNOLOGIES AND ADVANCED MATERIALS****CALL FOR PROPOSALS**

The 1990 call for **BRITE/EURAM proposals** is published in the Official Journal C 36 of 16.2.1990 (deadline for submission of proposals 14.4.1990). Details about applications are published in the BRITE/EURAM Information Package, which is available in all nine official languages of the EC. To be eligible for the programme, industrial applied research projects must involve at least two independent industrial firms from at least two EC Member States. Other types of research projects must involve independent partners from different countries and at least one EC industrial firm (see order form below).

**BRITE/EURAM TECHNOLOGICAL DAYS IN MAY**

Interested firms and institutes often **find their project partners at the BRITE/EURAM Technological Days** - an information exchange where firms and researchers discuss ongoing projects and 'match-up' for possible future collaboration. The **1990 BRITE/EURAM Technological Days will be held on 21-22 May in Brussels** (Brussels Congress Centre).

They will have three main parts:

**Conference**

- Plenary sessions concerning strategic issues
- Three parallel streams on technical matters

**Exhibition**

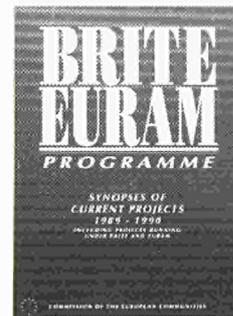
- Demonstrations and displays of projects and programmes
- Poster presentations of ongoing projects

**Proposers' Forum**

- To encourage contact between potential partners in joint projects for the new call for proposals

The registration fee will be 5 500 BFr (equivalent to 130 ECU) covering the participation in the conference, the documentation, the exhibition, the Proposers' Forum, refreshments, luncheons and the buffet reception.

For **registration, information and any inquiry** you are kindly requested to contact the Administrative Secretariat: E.C.C.O. Rue Vilain XIII, 17a, B-1050 Brussels, Tel.: (32.2) 647.87.80, Fax: (32.2) 640.66.97

**FREE COPY OF CATALOGUE OF BRITE / EURAM PROJECTS**

The CEC is offering one free copy of the new compendium **BRITE/EURAM, Synopses of Current Projects, 1989-1990** to each company, institute of higher education, research institute, government office, and library interested in the BRITE/EURAM Programme and the research and technological development it supports. If your office or library wants more than one copy of this book, additional copies can be purchased for 40 ECU each through the Office for Official Publications of the EC and its sales agents.

For further information on **BRITE / EURAM**, please fill in the form below and return it to: BRITE / EURAM, CEC, DG XII-C, MO-75 2/44, B-1040 Brussels, Fax: (32) 2 235.80.46

Name of Organization: \_\_\_\_\_ Address: \_\_\_\_\_

Country: \_\_\_\_\_ Postal Code: \_\_\_\_\_ City: \_\_\_\_\_

Please send me (mark the appropriate box)

A free copy of the book **BRITE/EURAM, Synopses of Current Projects 1989-1990**

The **BRITE/EURAM Information Package** in 

DE	DA	EN	ES	FR	IT	GR	NL	PT
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**MATERIALS RESEARCH: JOINT RESEARCH CENTRE AND THREE NATIONAL CENTRES FORM A CONSORTIUM**

The Joint Research Centre (JRC) has joined forces with three other research institutes to pool their expertise in the **development and testing of advanced materials**. The JRC's Institute for Advanced Materials at Petten in the Netherlands will team up with TNO (Toegepast Natuurwetenschappelijk Onderzoek, the Hague, Netherlands), NEL (National Engineering Laboratory, East Kilbride, Scotland), and CISE (Centro Informazioni Studi Esperienze, Milan, Italy) to form the **European Materials Research Consortium (E-MARC)** in order to meet a growing range of needs on the European market. The joint availability of combined expertise and facilities will make this type of commissioned research more attractive to European industries. E-MARC will have **about 1.000 researchers and technicians at its disposal** in the materials field.

Contact: Mrs M. Piera Moretti, Joint Research Centre, Ispra Establishment, I-21020 Ispra (Varese), Tel.: (39) 332 78.91.11, Tlx: 380042 / 380058 EUR I, Fax.: (39) 332 789839

## THERMIE — ENERGY DEMONSTRATION PROJECTS

### CALL FOR PROPOSALS

This invitation for projects for possible selection to receive financial support is subject to final adoption of the THERMIE Regulation and the guidelines it contains for choosing priorities in calls for proposals. The following sectors are concerned:

- **rational use of energy:**
  - in certain energy-intensive industrial sectors, including cogeneration and use of heat;
  - in existing buildings;
  - urban heating, small-scale combined heat and power generation;
  - in urban transport infrastructure and more efficient traffic management.
- **biomass:** combustion for heat and energy production;
- **solar energy:**
  - conversion into thermal energy in buildings;
  - using photovoltaic processes to produce electricity.
- **wind/diesel systems** for autonomous operation or connected to a grid network;
- **solid fuels:** combustion, underground gasification, waste;
- **hydrocarbons:** knowledge of deposits, offshore production.

Community financial support may be granted for innovatory and dissemination projects. Details of the compulsory procedure for the submission of a proposal (including the application form which must be completed by the proposer(s)), as well as information on the eligibility conditions, selection criteria and other relevant information, are to be found in the document entitled 'THERMIE 1990 — Information Note and Procedure for Submitting Projects'.

This document can be obtained (written requests only) from the following address: CEC, DG XVII, THERMIE Programme, 200, rue de la Loi, B-1049 Brussels; Telex 21877 COMEU-B, Fax 32 (2) 235 01 50 (see also Official Journal C 77 of 27/3/1990).

## FIRST JOINT RESEARCH PROGRAMME ON SAFETY IN THE EUROPEAN COAL AND STEEL COMMUNITY (ECSC) INDUSTRIES

Safety and health protection at the workplace is an essential element of social policy. It is in that spirit that the Commission intends to develop its work in the field of safety and health at the workplace.

**The programme addresses the following issues:** mine fires and spontaneous combustion, explosions, rescue arrangements, monitoring, telemetry, data presentation, remote control, automation and communication, transport and handling, electricity and energy, materials technology, winning methods, rock bursts, associated phenomena and gas outbursts, surface activities.

Research applications must reach the Commission of the European Communities by 1 October of each year in order to be examined and considered for financing in the following year.

**Further information is given in Official Journal C 325 of 24.12.1989 or contact:** Mr W. Obst, CEC, DG V, JMO C4/105, L-2920 Luxembourg, Tel.: (35) 2 4301-2736, (35) 2 4301-4511.

## CALENER NEWSLETTER ON COMPUTER-AIDED LEARNING IN ENERGY TECHNOLOGIES

This newsletter is supported by the COMETT Programme and the Agency for Energy Management (France). The CALENER project is formed by 31 institutions from 9 Member States with the aim of **jointly developing computer-aided learning in the field of energy technologies.**

**The CALENER Newsletter (EN/F) can be obtained from:** Mr J. Adnot, Ecole des Mines de Paris, 60, Bd St Michel, F-75272 Paris Cedex 06, Tel.: (33) 1 42.34.91.57; Tlx.: 206756F, Fax.: (33) 1 43.25.94.95.

## CONFERENCE ON RADIOACTIVE WASTE, 17-21 SEPTEMBER

The Conference aims to present the main achievements of the third Community research programme in the field of radioactive waste management (1985-89) and to promote a thorough discussion of these results in order to take advantage of the widest international experience in this field.

**Further information can be obtained from** Mr L. Cecille, Commission of the European Communities, DG XII/D/2, ARTS-LUX 2/16, 200, rue de la Loi, B-1049 Brussels, Tel.: (32) 2 235.75.88, Tlx: 21877 COMEUR B, Fax: (32) 2 236.20.06.



## STD: SCIENCE AND TECHNOLOGY FOR DEVELOPMENT

The programme aims to **promote increased scientific cooperation between the European Community and developing countries** to their mutual benefit. It comprises two sub-programmes. The **tropical and sub-tropical agriculture** sub-programme (55 million ECU) covers the improvement of agricultural engineering and post-harvest technology and production systems. The second sub-programme (25 million ECU) concerns **medicine, health and nutrition in tropical and sub-tropical areas**.

### STD-INVENTORY OF PROJECTS

This inventory comprises summaries of the 186 research projects carried out under the first STD Programme (1983-1986). It shows ways of increasing agricultural production and improving the use of resources in tropical and sub-tropical countries by creating new techniques.

☞.....

**Order form:** Please send a copy of the inventory of projects under STD to

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Postal Code: \_\_\_\_\_ Town: \_\_\_\_\_ Country: \_\_\_\_\_

Please return to Mr Jacques Calaznas, CEC, DG XII-G, SDME, 200, rue de la Loi, B-1040 Brussels, Tel.: (32) 2 236.20.81, Fax.: (32) 2 235.01.45.



## SUCCESS FOR THE STD PROGRAMME: KING FAISAL FOUNDATION PRIZE FOR MEDICINE

Two eminent European scientists have been awarded the **King Faisal Foundation Prize for Medicine** with work carried out on a European Community research programme. Dr André Capron, Professor of Immunology at the University of Lille, and Dr. Anthony Butterworth, of the Department of Pathology at the University of Cambridge, were awarded the prize for their **research into schistosomiasis**.

Dr Capron and Dr Butterworth, who have been working on schistosomiasis and other aspects of tropical parasitology for many years, began to cooperate with other scientists in Europe and Africa on the Community research programme known as '**Science and Technology for Development**'. The King Faisal Foundation was established in 1976 and every year awards five major prizes, each worth around 77.000 ECU, for work of a very high standard in various fields, including science and medicine.

## PETRA — THE ACTION PROGRAMME ON YOUTH TRAINING

On 13 March 1990 the Commission adopted the interim Report of the **Petra** programme, the **Community action programme on youth training**. Its current budget of 9 million ECU covers three main areas: the European Network of Training Partnerships, the youth initiative projects and the research component. It also provides for technical assistance in the implementation of the programme.

The **European Network of Training Partnerships** has facilitated the creation of a network of some 134 partnerships consisting of training projects from two or more countries. The **youth initiative** element of the PETRA programme provides for a small level of support (a non-renewable grant of up to 10.000 ECU) for projects initiated and run by young people themselves with a minimum of adult participation. The Commission has been able to assist about 300 of these projects since the beginning of the PETRA programme. The **research element** stimulates cooperation between research institutes on issues concerning **the effectiveness of vocational training** in Member States. The **study visit programme for vocational training specialists** run by the European Centre for the Development of Vocational Training (CEDEFOP) has identified youth training as one of its key themes for 1990 and also forms part of PETRA.

Contact: PETRA Support Unit, IFAPLAN, 32, Square Ambiorix, B-1040 Brussels, Tel.: (32) 2 230 7106, Fax: (32) 2 2307167

## EP APPROVES THE COMMISSION'S PROPOSAL ON CONTINUING EDUCATION

Following its rapporteur Mr Pagoropoulos, the European Parliament approved the CEC proposal concerning an action programme for 1990-1993, with an overall budget of 88 million ECU, aimed at ensuring **that any worker who is a Community national may have access to continuing education** during the course of his working life (see I&TT, 1/90, page 14).

For further information, please contact: EURYDICE, Le Réseau d'Information sur l'Education dans la Communauté Européenne, 17, rue Archimède, Bte 17, B-1040 Brussels, Fax: (32) 2 230.65.62

## SCIENCE AND TECHNOLOGY IN EUROPE

## New presentation brochure of the Joint Research Centre

The Joint Research Centre of the European Communities is a **European scientific and technical research centre**. Its four sites in Belgium, Germany, Italy and the Netherlands house nine different institutes, each with its own focus of expertise. The JRC performs scientific research and technology development for the Commission of the European Communities, national agencies, universities and corporate clients from Community Member States and other countries. The brochure 'Science and Technology in Europe' provides potential clients with an **overview of the services, facilities and expertise** at their disposal at **Europe's Joint Research Centre**.

✕ .....

**Order form:** Please send me:

**Science and Technology in Europe**  
in  French  English  Italian  German

**Publications Bulletin of the JRC**

**General information on the JRC**

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**Please return to:** Mrs M. Piera Moretti, Joint Research Centre, Ispra Establishment, I-21020 Ispra (Varese), Tel.: (39) 332 78.91.11, Tlx: 380042 / 380058 EUR I



COMMISSION OF THE EUROPEAN COMMUNITIES

EUROPEAN COMMUNITY  
RESEARCH PROGRAMMES



## New Guide to Community R&amp;D programmes published

### DIRECTORY OF SPECIFIC PROGRAMMES WITHIN THE FRAMEWORK PROGRAMME FOR COMMUNITY ACTIVITIES IN THE FIELD OF RESEARCH AND DEVELOPMENT

(status 31 December 1989)

Copies of the inventory can be obtained from Mrs. K. Toft, Commission of the European Communities, DG XII, SDME 1/34, 200, rue de la Loi, B-1049 Brussels, Tel. (32) 2 235.64.19, Tlx: 21877 Comeur B, Fax: (32) 2 235.88.65.

## GUIDE TO EUROPEAN COMMUNITY RESEARCH

### A Manual for Applicants

The Commission of the European Communities intends to publish **the first comprehensive manual containing information on both the legal, administrative and technical aspects and the contents of all R&D programmes**. At a time of ever increasing interest in the technological elements of the European Single Market, the Commission will fill an information gap often expressed by interested parties, particularly SMEs and research institutions. The manual will be available in February 1990.

✕ .....

**Order form:** Please send a copy of the Guide to European Community Research to  
(in DE  EN  FR  IT )

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Address: \_\_\_\_\_

Postal Code: \_\_\_\_\_ Town: \_\_\_\_\_ Country: \_\_\_\_\_

**Please return to:** Mrs. K. Toft (see address above).



## PROGRAMME OF SCIENTIFIC AND TECHNICAL ACTIVITIES IN THE PLANT HEALTH FIELD CALL FOR PROPOSALS

The following programme of activities has been established by the Directorate-General for Agriculture of the CEC. The deadline for posting or delivery of applications is 30 April 1990:

### 1 — Data base

Collection, preparation and up-dating of data base in one or more of the following categories: Live organisms of the animal kingdom, Bacteria, Cryptogamia, Viruses, virus-like pathogens and mycoplasmas, Phanerogams,

### 2 — Evaluation and development of rapid detection and identification procedures for the following:

Liriomyza species, Potato diseases, Vine diseases, Non-European insect pests, Virus vectors, Harmful organisms of forest trees, not present in the Community, Rhizomania.

Further information about the programme of activities and about specific activities may be sought from the Member States' representatives on Technical Activities in the Plant Health Field, an address list of which can be obtained from, CEC, DG VI B II.1, 200, rue de la Loi, B-1049 Brussels, Fax.: (32) 2 235.01.65.

## BCR: APPLIED METROLOGY AND CHEMICAL ANALYSES CALL FOR PROPOSALS

The aim of the BCR Programme is to **improve the accuracy of methods of measurement and chemical analysis** and thereby assist in the harmonization of results throughout the Community. The present **call for proposals** is specifically aimed at the development of separate activities on:

**1. sub-micron and nanometre metrology**, as applied in manufacturing industries such as electronics, optics, precision machining, etc;

**2. metrology for automated manufacturing processes** as required to verify the measurements carried out in processes for the control of both the production process and the final quality of the products.

The closing date for proposals is 30/06/90.

The information package can be obtained from: Dr D. Gould, CEC, DG XII, 200, rue de la Loi, B-1049 Brussels, Tel.: (32) 2 235.93.13, Fax: (32) 2 235.80.72, Tlx.: 21877 COMEUR B.



## CALL FOR PROPOSALS IN THE FIELD OF MANAGEMENT AND STORAGE OF RADIOACTIVE WASTE

The programme in the field of management and storage of radioactive waste is composed of two parts, A and B. Part A deals with waste management studies and associated research and development actions, whereas Part B covers the construction and operation of underground pilot and/or site validation facilities for deep geological disposal of radioactive waste open to Community joint activities. **This call for proposals is limited to research in Part A:**

- |  |  |
|--|--|
| 1. Studies of management systems,  | 4. Disposal of radioactive waste,                        |
| 2. Treatment of radioactive waste,   | 5. Methods of evaluating the safety of disposal systems. |
| 3. Characterization and qualification of waste forms and packings and their environment, |  |

**Proposals should be submitted not later than 30 May 1990, the postmark being accepted as the date of dispatch.**

Further details about the programme and on how to apply are given in the information file, which may be obtained on written request from the following address: CEC, Directorate XII/D-2, 200, rue de la Loi, B-1049 Brussels, Telex 21877 COMEU B, Telefax (32) 2-236-20-06 (see also Official Journal C 55 of 7.3.90)



Decommissioning of Nuclear Installations - An Overview of Research Supported by the European Community



### RADIOACTIVE WASTE FOCUS

The European Community's research programmes on '**Decommissioning of Nuclear Installations**' are aimed at developing effective techniques and procedures for decommissioning; the main objective is to strengthen the scientific and technical basis of decommissioning with particular attention to safety and radiological protection. The **RADIOACTIVE WASTE FOCUS** reports on the implementation of this programme.

**It can be obtained from:** Mr K.H. Schaller and Mr F. Girardi, CEC, DG XII-D-2, 200, rue de la Loi, B-1049 Brussels, Fax: (32) 2 236 20 06.)

## FAST - LIST OF PUBLICATIONS



**Order Form** (please indicate number of copies and language desired)

Results and Recommendations from the FAST II Programme '**Science, Technology and Society — European Priorities**' A summary report (short version), March 1989, 11 p., also available in Dutch, German, Danish, Greek

Results and Recommendations from the FAST II Programme '**Science, Technology and Society — European Priorities**' A summary report, January 1989, 35 p., also available in French, Danish, Greek

**Forecasting and Assessment  
in Science and Technology**

The FAST II Programme (1984-1987) — Results and Recommendations vol 1.: A synthesis report '**Science, Technology and Society — European Priorities**', 151 p., December 1988

The FAST II programme (1984-1987) — Results and Recommendations vol 2.: '**Prospects for human work — Industrial and organizational strategies**', 214 p., July 1988, also available in Greek and German

Le programme FAST II (1984-1987) — Résultats et Recommandations vol 3: '**L'Europe des services — Un virage à réussir**', 89 p., Novembre 1987

Le programme FAST II (1984-1987) — Résultats et Recommandations vol 4: '**La Communication dans l'Europe de demain au-delà de la technologie**', 160 p., Juillet 1988, also available in English

The FAST II Programme (1984-1987) — Results and Recommendations vol 5: '**The Future of the European food system**', 110 p., February 1988, also available in French

'**European Competitiveness in the 21st Century: Integration of Work, Culture and Technology**', a report drawn up by a working group chaired by Prof. M. Cooley

Name: \_\_\_\_\_ Address: \_\_\_\_\_

Postal Code: \_\_\_\_\_ Town: \_\_\_\_\_ Country: \_\_\_\_\_

✂ .....

The above publications can be obtained free of charge from Mrs A. de Greef, CEC, DG XII/H/3, MO75 5/31, 200, rue de la Loi, B-1040 Brussels, Tel.: (32) 2235.97.55, Tlx: 21877 COMEUR B, Fax: (32) 2 235.06.56

## 1990: EUROPEAN YEAR OF TOURISM

## CONSENSUS REACHED ON 'TOURISM FOR EUROPE IN THE 90s'

First discussions during the informal Council at the beginning of March in Ireland led to an agreement on the programme '**TOURISM FOR EUROPE IN THE 90s**'. With this programme the CEC is proposing a more structured and long-term approach to tourism at Community level.

1. **As regards supply:** Improvement of the quality of European tourism. Three **priority areas** have been suggested: **education and vocational training, the offer of new tourism products, and physical quality norms.**

2. **The promotion of European tourism.** The efforts being made by the EC are channelled within the '**European committee on tourism**', which undertakes advertising campaigns in the United States, Japan, Canada and in some other countries.

3. **Improvements in the environment for companies in the tourism sector,** which could be successful, according to the Commission, if account is taken of three elements: better **information** and analysis, **the legal and administrative environment** of companies, aid for tourist companies, and cooperation between the EC and third countries (including Eastern Europe).

The conclusions stemming from the informal session can be summed up as follows:

- **recognition of the need for a Community policy;**
- holding of a formal session of the Tourism Council next June in Luxembourg, for an initial review of the proposals which will have been presented in the meantime;
- strong accent on the **priority importance of the natural environment and its preservation;**
- **desire for cooperation with the EFTA countries and the countries of Eastern Europe,** so that, to the outside world, Europe appears as an attractive tourist entity.

Further information can be obtained from Mr Georges Tzoanos, CEC, DG XIII, ARL 5/32, 200 rue de la Loi, B-1040 Brussels, Tel.: (32) 2 235.42.13, Fax.: (32) 2 236.12.41.

## WOMEN OF EUROPE NEWSLETTER

This new newsletter reports on all relevant developments in the field of **equality policy** in the European Community. It can be obtained from: **WOMEN'S INFORMATION SERVICE**, CEC, DG X, 200, Rue de la Loi, B-1049 Brussels, Tel.: (32) 2 235.28.60.



## COMMUNITY RESEARCH AND DEVELOPMENT PROGRAMMES

### DEADLINES FOR THE NEXT CALLS FOR PROPOSALS

Programme	Directorate-General responsible	Deadline
<b>DOSES</b> — Statistical expert systems (see I&TT 1/90, page 9 and 2/90, page 14)	OS-Lux	30.04.1990
<b>Radioactive Waste Programme</b> (see page 19)	XII	30.05.1990
<b>BCR</b> — Applied Metrology (see page 19)	XII	30.06.1990
<b>BRITE/EURAM</b> (see page 15)	XII	14.09.1990
<b>Agricultural Research Programme</b> (see page 6)	VI	31.12.1991
<b>SCIENCE</b> Scientific cooperation (see I&TT, 5/89, page 3)	XII	no deadline
<b>SPES</b> — Economic research (see page 12)	XII	no deadline
<b>STEP</b> -Environmental Research (see page 5)	XII	15.06.1990
<b>Access to large R&amp;D installations</b> (see page 14)	XII	31.05.1990
<b>THERMIE</b> — Energy demonstration projects (see page 16)	XVII	20.06.1990
R&D in the <b>plant health field</b> (see page 19)	VI	30.04.1990
<b>Safety in coal and steel</b> (see page 16)	V	1.10.1990
<b>R&amp;D secondments Japan</b> (see page 12)	XXIII	30.04.1990
<b>ERASMUS</b> Student exchanges (see page 22)	TFHR	no deadline

Application forms can be obtained from the Directorate-General concerned (Commission of the European Communities, DG ....., 200, rue de la Loi, B-1049 Brussels); TFHR stands for Task Force Human Resources.

Programme	FORTHCOMING CALLS	Call expected
<b>EURET</b> — R&D in the field of traffic (see I&TT, 1/90, page 16)		July 1990
<b>BRIDGE</b> — Research in the field of biotechnology		June/July 1990
<b>VALUE</b> (see I&TT, 1/90, page 17)		May/June 1990
<b>JOULE</b> — Unconventional and long-term energy supply		autumn 1990

Pending the decision on the new R&D Framework Programme (see page 2), further calls for proposals might be launched by June/July (e.g. in the field of information technologies). The information above is a sort of early warning system. The dates indicated may change and are not definitive. 'I&TT' declines all responsibility for any changes. Proposals should be prepared well in advance of this deadline in order to avoid last-minute problems. Proposers should consult the programme managers for advice on questions of presentation.

### INVITATION FOR PUBLIC COMMENTS ON ONP FOR PUBLIC DATA NETWORKS

In the context of the implementation of the **telecommunications policy** proposals on the development of the common market for telecommunications services and equipment, the CEC makes available for **public comments** a proposal prepared by GAP under mandate of SOGT (senior officials group on telecommunications) called '**Proposal by the Analysis and Forecasting Group (GAP) on Open Network Provision (ONP) for Public Data Networks in the Community**'. *Copies of the document may be obtained from:* CEC, GD XIII, Mr José Toscano (Brey 7/98), 200, rue de la Loi, B-1049 Brussels, tel. (322) 235 03 66, fax (322) 235 68 28. **Comments** from interested parties are to be addressed to the following address by 6.7.1990: CEC, GD XIII, Le Directeur-Général, Monsieur Carpentier (Brey 13/90), Re: ONP for Public Data Networks, 200, rue de la Loi, B-1049 Brussels. For references see Official Journal C88 of 6.4.90.



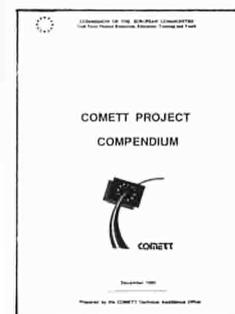
### SOLAR ENERGY APPLICATIONS IN BUILDINGS NEWSLETTER

This CEC newsletter can be obtained from: **ENERGY RESEARCH GROUP, SCHOOL OF ARCHITECTURE UNIVERSITY COLLEGE DUBLIN, Richview, Clonskeagh, Dublin 14, Ireland, Tel.: (01) 693244.**

## COMETT PROJECT COMPENDIUM NOW AVAILABLE

This 'COMETT Project Compendium' includes basic information on all COMETT projects accepted under all Strands and application rounds of COMETT I. It is divided into several sections according to the various Strands and the year of approval of the project. Some overall COMETT statistics and the current list of COMETT Information Centres are also given.

For further information, please contact: Mrs M. Lapeyre, COMETT, Technical Assistance Office, 71, av. de Cortenberg, B-1040 Brussels, Tel.: (32) 2 733.97.55, Fax: (32) 2 734.56.41



Order form: Please send me the

COMETT Project Compendium in:

EN

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Address: \_\_\_\_\_

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To be returned to the above address

## OUTLINE REPORT ON VOCATIONAL TRAINING AND QUALIFICATION SCENARIO

CEDEFOP has started to collect some existing **training and qualification scenario reports** from the Member States with the following objectives:

- to create **better transparency on training and qualification scenario reports** already produced in various Member States,
- to **compare methodologies and major points of concern**,
- to consider the development of a **common methodology** for future training and qualification scenarios to the years 1992 and 2000.

The final composite report on the scenario reports and the interviews is ready and awaiting publication at the Office for Official Publications in Luxembourg.

For further information, please contact: Mr W. G. McDerment, CEDEFOP, Jean Monnet Haus, Bundesallee 22, D-1000 Berlin 15, Tel.: (49) 30 884.120, Fax: (49) 30 884.122.22, Tlx: 184.163

## ERASMUS: MOBILITY OF UNIVERSITY STUDENTS PERMANENT APPLICATION NOW POSSIBLE

In I&TT 1/90 (page 15) we reported on the approval of the second phase of the **ERASMUS Programme for student mobility in the Community**. ERASMUS has four lines of action: the setting-up of a **European network of cooperation** between universities, **direct financial support for students**, **improved academic recognition of diplomas and periods of study** through the introduction of a system of transferrable course credits, and complementary measures (support for university associations, ERASMUS award, conferences, etc).

**Requests for ERASMUS scholarships for studies in 1990-1991 are no longer subject to a deadline.** The European Commission has now adopted a continuing system. For practical reasons, it is still necessary for the application to reach the ERASMUS office at least six months before the planned date of the studies.

Further information can be obtained from: ERASMUS Bureau, 15, rue d'Arlon, B-1040 Brussels, Tel.: (32) 2 233.01.11, Tlx: 63528 COMEUR B, Fax: (32) 2 233.01.50.



## CEDEFOP NEWS ON VOCATIONAL TRAINING IN EUROPE

The EC Centre for the Development of Vocational Training, CEDEFOP, issues a newsletter which reports on all relevant developments in the field of vocational training (including **the new EEC initiatives in favour of the Eastern European countries**).

It can be obtained from: CEDEFOP, Jean Monnet Haus, Bundesallee 22, D-1000 Berlin 15, Tel.: (30) 30 88.41.22.22, Tlx.: 184163 EUCEUN D

**MONITOR: STRATEGIC ANALYSIS, FORECASTING AND ASSESSMENT  
EVALUATION FOR THE CEC RTD POLICY**

MONITOR is a tool for the **analysis and assessment of the Community Research and Technological Development (RTD) policy**. It expands, clarifies and supplements the activities previously conducted by the Commission in the areas of forecasting — FAST I and FAST II — and evaluation. In addition, it is an integral part of a group of instruments for forecasting and analysis set up within the Commission itself.

MONITOR's aim is to **define more clearly the approaches and new priorities for RTD policy**, whilst taking into consideration other Community policies. This initiative derives from the need to enhance the selectivity and efficacy of Community RTD activities with a view to significantly furthering their contribution to the global objectives of the Community (single market, industrial competitiveness, social and economic cohesion, environmental and social policy).

There are three subprogrammes:

**1. SAST**

In the process of defining the priorities of Community RTD, SAST's role is to **assess and clarify the measures** being considered or presented as being of vital importance to the Community in the field of Science and Technology.



**2. FAST**

The objective of FAST is to **conduct global analyses of the long-term effects of S&T development** and their interactions with the social and economic changes in the Community and worldwide.

**3. SPEAR**

The purpose of SPEAR is to **supply the tools required for evaluation** of the Community activities concerned with RTD.

The information package on **MONITOR** can be obtained from Mr H. J. Allgeier, Commission of the European Communities, DG XII-H, 200, rue de la Loi, B-1040 Brussels, Tel.: (32) 2 235.40.55, Tlx: 21877 COMEUR B, Fax: (32) 2 235.06.56.

**2ND EUROPEAN CONGRESS ON TECHNOLOGY ASSESSMENT**

MILAN, ITALY 14 - 16 NOVEMBER 1990

The congress is sponsored and organized by the MONITOR Programme (FAST) of the EEC, ENEA (I), NOTA (NL), the Italian Ministry of Research and The Danish Board of Technology.

The congress offers a possibility of discussing and defining critical areas where the management of technology has been challenged. Special attention will be paid to the potential users/demanders of technology assessment: parliaments, industry, researchers and trade unions.

✂ .....

Please include me on the mailing list of the 2nd European Congress on Technology Assessment.

Name: ..... Company/Organization .....

Address .....

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To be sent to: Mrs Anne de Greef, Commission of the European Communities, DG XII, FAST, Rue de la Loi 200, B-1049 Brussels, Fax: (32) 2 235.06.56



**ANTHROPOCENTRIC TECHNOLOGY & SYSTEMS (AT&S) NEWSLETTER**

The Anthropocentric Technology and Systems Newsletter (AT&S) is the latest in a series of efforts being made by **FAST to publicise and popularise**, at Community level, **the idea of anthropocentric (or human-centered) technology design (AT)**. AT denotes a type of technology design that aims to enhance the skills and abilities of users as one important way of improving systems performance. AT&S appropriately features AT issues.

It can be obtained from Mrs de Greef (see address above).

## STRATEGIES FOR THE PROTECTION OF INNOVATION: PATINNOVA '90

# PATINNOVA '90

MADRID

1<sup>st</sup> European Conference  
on  
Patent and Innovation

### PROGRAMME

Madrid, 22 - 23 May 1990, Palacio de Congressos

- STRATEGIES FOR THE PROTECTION OF INNOVATION -



Commission of the European Communities  
Directorate - General XIII - C



Ifo-Institut für Wirtschaftsforschung, München

PATINNOVA '90 will be the **first European congress** dealing with **patent and innovation matters**. It will focus on how to promote innovation and accelerate the spread of new technologies by means of the patent system. Its overall objective is to **improve general awareness of the economic and marketing importance of the patent system**. PATINNOVA '90 will illustrate the potential benefits at all levels that 'best practice' in the field of industrial property rights can bring to industry by means of case studies and model simulation.

The following issues will be addressed:

- **protection and filing policies** for technical innovations as part of the systematic marketing of technology;
- **the role of patent attorneys** and other patent consultants in filing and protection strategies;
- **patent-assisted marketing** of inventions from university and research institutions;
- strategies for avoiding and solving **patent disputes and litigation**;
- **requirements to be met in future** by the system of industrial property rights and by the patent system in particular.

The programme for PATINNOVA '90 can be obtained on **written request** from: Dr A. v. Witzleben, CEC, DG XIII/C/1, B4/091 Jean Monnet Building, L-2920 Luxembourg, Tlx: 2423/3446 COMEUR LU, Fax: (352) 4301-4129

Name: \_\_\_\_\_

Profession/Institution: \_\_\_\_\_

Address: \_\_\_\_\_

Postal Code: \_\_\_\_\_ Town: \_\_\_\_\_ Country: \_\_\_\_\_

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

## ON-LINE SERVICES, PUBLICATIONS, PATENT INFORMATION, PATENT CONSULTANCY PATINNOVA '90 EXHIBITION

PATINNOVA '90 exhibition offers you the possibility of organising stands. It will be a good opportunity to present your services to a broader public, mainly 'intermediaries' as patent attorneys or consultants and representatives of industry. The charge for a stand is 6 000 Ptas (plus 12 % VAT) per square meter. Additional material as desks, chairs, shelves etc. are available on request. A detailed list of prices and further information is available from Mrs M. Gasca Elosegui, OEC, Plaza de la Encarnación 2, E-28013 Madrid, Tel.: (34) 1 247.70.-42/-36, Tlx: 49515, Fax: (34) 1 542.75.49

## AUDIOVISUAL SECTOR: CONCRETE INITIATIVES FOR 1990

Last year saw the 'Television without frontiers' Directive adopted and the European audiovisual congress held in Paris during the autumn. This year the Commission is planning to **launch a series of concrete initiatives** designed to underpin existing Community strategy in this sector. There are **three dimensions** to these initiatives:

- **rules of the game:** copyright and property rights will have to be adapted to the new technology standard;
- **technology:** Commissioner Dondelinger has announced the launch of a pilot phase for the introduction of **High Definition Television** services by 1992, and of regular services by 1995;
- **programme industries:** in the spring, the Commission will propose moving on to the main phase of the **MEDIA Programme** and linking this with the Eureka audiovisual concept, the launch of which was decided on at the Paris congress in September 1989. The Commission aims to use the MEDIA Programme to improve the environment of businesses in the audiovisual sector without intervening directly in production.

**Contact:** Mme Holde Lhoest, CEC, DG X, 200 rue de la Loi, B-1040 Brussels, Tel.: (32) 2 23 59957; Fax: (32) 2 23 60752 (MEDIA programme); M. Troussard, (address as above), Tel.: (32) 2 23 57753; Fax: (32) 2 2360752 (Television without frontiers)

## INTERNAL MARKET 1992:

### FURTHER PROGRESS AND CONSIDERABLE ECONOMIC EFFECTS ALREADY

The CEC has just put forward two new documents on progress in achieving the objectives as set out in the 'White Paper' on the completion of the Single Market:

1. **Economic assessment of the economic effects** so far achieved, the main findings of which are:

- **companies have been largely anticipating the completion of the Single Market;**
- three years before the deadline, **European firms have achieved a certain competitiveness;**
- compared to 1984, **production has increased by 20%** and 8.5 million jobs have been created;
- **trade between Community countries has risen from 55% of total exports in 1982 to 62% in 1988;**
- **Spain and Portugal are attaining record rates** of annual growth.

2. **Fifth report on the implementation of the White Paper.** This report shows the state of completion of the texts prescribed by the White Paper. **60% of its proposals are already adopted**, such as the liberalisation of public markets, free movement of capital, mutual recognition of diplomas etc.

**For further information, please contact:** Mr Ruske, CEC, DG III, RP 3, 01/6, 200 rue de la Loi, B-1049 Brussels, Tel.: (32) 2 235.12.60 ; Fax.: (32) 2 235.01.26 and 235.93.86.

### NEW LEGISLATION FOR TELECOMMUNICATIONS, TRANSPORT, WATER, ENERGY<sup>31</sup> OPENING-UP OF PUBLIC PROCUREMENT: MAJOR PROGRESS

At the Council meeting of 22 February devoted to the internal market, the Twelve reached a common position **on opening up public procurement in sectors which had previously been excluded.** During 1988 and 1989, the Twelve adopted two Directives that opened up public procurement in works and supplies. **Telecommunications, transport, water and energy** were not covered by this legislation.

The common position means that all contracts above a certain value in the sectors concerned will **have to be put out to tender in all twelve Member States.** The Directive is due to enter into force on 1 July 1992, although an extension will be granted to Spain, Greece and Portugal in order to give them time to adapt. This represents significant progress in completing the internal market, and opens up a number of new opportunities for business and industry.

**For further information, please contact:** Mr S. Tapasthathopoulos, CEC, DG III, Arch 17/1-12, 200, rue de la Loi, B-1049 Brussels; Tel.: (32) 2 23 532 96; Fax.: (32) 2 2350127

## NEWS FROM DG XV:

### FINANCIAL INSTITUTIONS: 1992 IS APPROACHING

The Newsletter 'News from DG XV' reports on the Commission's policy in the fields of **financial institutions and company law.** The latest issue, published in February 1990, deals with the following topics:

- Adoption of **second banking directive** and solvency ratio directive;
- Europe's **unified banking market** will put spotlight on third countries;
- The single market for **insurance** — prospects for 1992
- **Second life insurance directive;**
- Amended proposal for a Council Directive on **investment services in the securities field;**
- The mutual **recognition of public offer** prospectuses as stock exchange listing particulars;
- **Capital adequacy of investment firms** including credit institutions;
- **Company law;**
- Future of **harmonisation of accounting standards.**

The Newsletter NEWS FROM DG XV can be obtained from: Mrs G. Halberstadt, Commission of the European Communities, DG XV, SDME R2/32, 200, rue de la Loi, B-1049 Brussels, Tel.: (32) 2 235.18.85, Tlx.: 21877 COMEUR B, Fax: (32) 2 235.65.00.

### CITIZENS' EUROPE: STENDHAL PRIZE FOR YOUNG JOURNALISTS

At the initiative of **Mr Dondelinger**, the Commissioner in charge of Information, Communication and Culture, a **Stendhal Prize** was created to acknowledge the **writing of journalists** who have contributed to a more positive climate, increased openness, and a clear vision of **European integration.** The prize is divided into **five categories**, with a 15 000 ECU award for each one: the best front page; the best cover; the best presentation of social problems of interest to all the countries of Europe and their citizens; the best article or series of articles on the European economy.

The Stendhal Prize is organized by the Fondation Adelphi in Geneva and is presented under the joint sponsorship of the European Commission and the International Federation of Newspaper Editors. The award will be made for the first time on 21 September 1990 in Parma.

**Contact:** Miss Carole Depasse, Fondation Adelphi, 22, bd. Louis Schmidt, B-1040 Brussels, Tel.: (32) 2 733.12.37

**FACILITATING COOPERATION AGREEMENTS BETWEEN SMEs:  
EUROPARTENARIAT 1990 IN WALES**

CEC Members Mr Cardoso e Cunha and Mr Millan presented the **second phase of the 'Europarteniariat' 1990 initiative**, which is this year being held in Wales. This second phase includes **the publication of a catalogue of Welsh companies** interested in cooperating with firms from other Community countries. Then, on 14 and 15 June, these companies will meet in Cardiff to discuss future cooperation with companies from other Community and EFTA countries.

'Europarteniariat 1990' is a programme aimed at **encouraging cooperation between a number of selected firms** in less developed regions, or regions in industrial decline, and companies from other Community countries.

**For further information, please contact:** Mr G Heikens, CEC, DG XXIII, ARLN, 200, rue de la Loi, B-1049 Brussels, Tel.: (32) 2 235.12.85, Tlx: 21877 COMMEUR, Fax: (32) 2 235. 73.35, or Mr D.Stephenson, Welsh Development Agency, Business Unit, Treforest Industrial Estate, Pontypridd, UK-Mid Glamorgan CF 37 5DT, Tel.: (44)443 842.386

**NEW EUROPEAN AWARDS: EUROPEAN LITERARY PRIZE AND EUROPEAN TRANSLATION PRIZE**

In Official Journal C35 of 15.2.1990 the organisational rules for two new European Awards are laid down. **The European Literature Prize** and the **European Translation Prize** will be awarded to an Author/translator who has made a significant contribution to contemporary European literature or an outstanding translation of a significant work of European literature. For both awards each Member State may nominate up to three separate works for consideration by a European jury. An independant secretariat will be entrusted with the administration for the prizes.

**CENTRE FOR EUROPEAN POLICY STUDIES:**

**SERIES ON EUROPEAN COOPERATION AND EAST/WEST RELATIONS**

Wednesday  
9th May 1990  
13.15 - 14.45  
**HUNGARY WITHIN A NEW ARCHITECTURE OF EUROPE**  
Speaker: Dr. Peter Balazs, Director General, Ministry of Trade, Republic of Hungary

Friday  
18th May 1990  
13.15 - 14.45  
**PERSPECTIVES ON THE CSCE PROCESS**  
Speakers: Ambassador Giovanni Jannuzzi, Head of Secretariat, European Political Cooperation  
Mr. Carlo Trojan, Deputy Secretary General, Commission of the EC  
Sir Michael Alexander, UK Permanent Representative

Monday  
28th May 1990  
13.15 -14.45  
**THE NEW POLISH GOVERNMENT IN THE WORLD ECONOMY**  
Speaker: Mr. Jan Krok-Paszowski, Journalist and Broadcaster, former Director of South/East European Services of the BBC

✕ .....

**REGISTRATION FORM**

**I WILL ATTEND THE FOLLOWING CEPS SESSIONS:** Please send me more information on CEPS SANDWICH LUNCH at 12.30 (250 BF)

_____	9 May	<b>HUNGARY WITHIN A NEW ARCHITECTURE OF EUROPE</b>	Lunch	_____
_____	18 May	<b>PERSPECTIVES ON THE CSCE PROCESS</b>	Lunch	_____
_____	28 May	<b>THE NEW POLISH GOVERNMENT IN THE WORLD ECONOMY</b>	Lunch	_____

NAME: \_\_\_\_\_ FIRST NAME: \_\_\_\_\_

POSITION: \_\_\_\_\_ ORGANISATION: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_ TELEFAX: \_\_\_\_\_

✕ .....

Please return to Centre for European Policy Studies, 33 rue Ducale, B-1000 Brussels, Tel.: (32) 2 513 40 88, Fax: (32) 2 511 59 60

## EUROBASES GIVE YOU ACCESS TO ALL RELEVANT INFORMATION ON THE SINGLE MARKET AND EEC LAW

EUROBASES offer an on-line information service on the progress of the single market, European Community law, EC documents and EC press-release material:

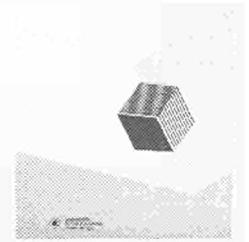
### PROGRESS IN REACHING THE SINGLE MARKET: INFO 92

If you want to find out quickly, and at any time, the state of play as regards the **1992 project** and the incorporation of Community directives into the national legislation of the various Member States, you have only to log on to the European Commission's database **INFO 92**. To be able to do this you need a personal computer (PC), linked to your national telephone network, and a password. **INFO 92** is now available in eight of the Community's official languages. A Greek edition will follow shortly. The cost of consulting INFO 92 is ECU 10 per hour (UK# 7.22 or IR# 7.70). A document containing the same information is published twice a year by the Office for Official Publications of the European Communities, 2 rue Mercier, L-2985 Luxembourg.

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research

### CELEX COMMUNITY LAW ON-LINE

**CELEX** contains the entire body of **European Community law**. All documents in the base have an analytical section, giving the title, author, legal form and any relevant dates. **CELEX covers the entire body of community law**, namely: legislation, preparatory documents, Court of Justice case-law, parliamentary questions, and references to national provisions implementing Community directives (in preparation).



### ECLAS : THE LIBRARY WINDOW ON EUROPEAN INTEGRATION

**ECLAS** is a **bibliographic database** created by the **Central Library**. Hitherto reserved for use by Commission officials and now opened for public access. It contains more than 90,000 records, grows by 7,000 records per year and is updated twice monthly.

### RAPID : A DAILY PRESS-RELEASE SERVICE.

Within two hours of the daily midday Brussels briefing, which will continue to give journalists accredited to the Commission exclusive priority access to all press releases, RAPID users will be able to read: **press releases** designed to present a basic summary and explanation of an important Commission policy proposal or decision, **shorter press releases** announcing as a specific news item a Commission decision or statement, **background information notes**, and **selected speeches** by Members of the Commission.

Contact: EUROBASES, Mr A. Berger, CEC, DG IX/F/4, ARLN 3/4, 200, rue de la Loi, B-1040 Brussels, Tel.: (32) 2 235.75.52, Tlx: 21877 COMEUR B, Fax: (32) 2 236.06.24 (see also the order form below).

Database name **CELEX** Subject **EC LAW** **itedia** **ONLINE**

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- offers references to national implementations of EC directives
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- cross-references to other related documents
- gives the current state of the act



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| <input type="checkbox"/> | <b>ECLAS</b>   | Bibliographic database of the Commission Library.        |
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**PROTEAS:****PROMOTING THE COMMERCIAL EXPLOITATION OF COMMUNITY R&D PROJECTS****EXTRACTS OF LATEST ENTRIES NOW AVAILABLE**

PROTEAS, the database of pre-commercial European R&D, was previously presented in the December edition of I&TT (see 5/89, page 24). This database contains **high-quality information on R&D results** arising from research undertaken within EC and EFTA countries, whether funded by the CEC, national, international or independent sources.

Supported by the Commission under the umbrella of the VALUE Programme, **PROTEAS aims to promote the commercial exploitation of research results by making relevant information**

**PROTEAS**

available to those European organizations which are in a position to offer the contributor various types of support. Examples of support required by contributors include research collaboration, financial support, a manufacturing or licence agreement.

Each month Longman Cartermill distributes **short extracts or profiles from some of the latest entries to the database**. This is additional to the online service and gives those with no online access the opportunity to see what kind of results PROTEAS contains. The March edition of extracts is a special issue featuring the first of the entries from the Commission's **Biotechnology Action Programme (BAP)**, submitted through the CEC VALUE Programme.

These extracts, and any other information on the PROTEAS database including access application forms and entry forms for submitting data, are available from: Madeleine Campbell, Special Projects Manager, Longman Cartermill Ltd, Technology Centre, St Andrews, Fife KY 16 9EA, Scotland, UK — Tel: +44-334-77660, Fax: +44-334-77180.

**FAIR ON WASTE DISPOSAL: IFAT '90**

IFAT 90 is a comprehensive showplace for **environmental protection**. Nowhere is the range of products offered by the waste disposal industry more comprehensive than at IFA 90: only two years away from the launch of the European single market, almost 1 000 organizations from 23 countries will be presenting their full range of products in a space of over 100,000 sq.m. — processes, plant, machinery, vehicles, and equipment for sewer construction and renovation, sewage and sludge treatment, solid waste disposal, recycling, reprocessing and decontamination, municipal cleansing, and winter road services, as well as numerous services to the waste industry.

**IFAT '90, 9th International Trade Fair for Waste Water and Waste Disposal, Munich, 22-26 May, 1990;** Organizer: Münchener Messe- und Ausstellungsgesellschaft mbH, Messengelände, Postfach 12 10 09, D-8000 München 12, Tel.: (49) 89 51.07-0, Tlx: 5212086 ameg d, Fax: (49) 89 51.07-172.

**Information on the participation of the CEC at IFAT can be obtained from Mr. F. Engels, Commission of the European Communities, DG XIII/C/2, B4/106, Jean Monnet Building, L-2920 Luxembourg, Tel.: (352) 4301-2356, Tlx: 3423 / 3446 COMEUR LU, Fax: (352) 4301-4129.**

**NEW VALUE INITIATIVE:****TRAINING SEMINARS ON EXPLOITATION OF RESEARCH****FIRST SEMINAR IN MADRID, 31 May — 1 June 1990**

The VALUE Programme has as its general objective **the promotion of effective utilization of the results of Community RTD activities** (see I& TT, 1/90, page 18). In view of this objective, VALUE is launching a new activity: **the organization of short training seminars on exploitation of research**. These seminars are **ADDRESSED ONLY TO COMMUNITY RTD CONTRACTORS**, with the double objective of training them in this field and of presenting and defining ways in which the VALUE Programme could assist them in their particular problems for the follow-up of their research results.

**A first seminar**, of a pilot nature, will be held in MADRID on 31 May and 1 June 1990. The **programme** includes lectures on topics such as the marketing of research, legal protection of results, value analysis, technology market surveys, funding of innovation, the search for industrial partners and negotiations of agreements, etc.

The seminar will be organized in cooperation with the Centro de Desarrollo Tecnológico Industrial (CDTI) and the Secretaría General del Plan Nacional de I+D, Electricité de France (EDF) and the Institut National des Sciences et Techniques Nucléaires (INSTN). It will be free of charge. The working language will be Spanish.

Further information and applications forms can be obtained from Mr J. HERNANDEZ-ROS, CEC, DG XIII-C, JMO C4/016, L-2920 LUXEMBOURG, Tel. (352) 4301-4533, Tlx 3423/3446 COMEUR LU, Fax:(352) 4301 4129.

JUST PUBLISHED:

## PATENT INFRINGEMENT LITIGATION PENALTIES

Editor: André Bouju, Professor of Patent Law, CEIPI

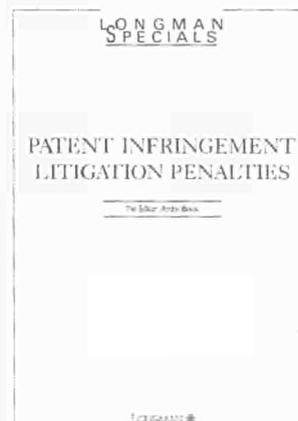
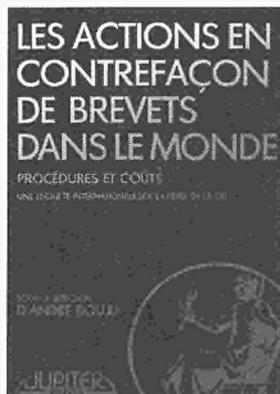
### STUDY TO IMPROVE KNOWLEDGE OF PATENT ECONOMICS, LAUNCHED BY THE COMMISSION OF THE EC

In **NEW TECHNOLOGIES AND INNOVATION POLICY** No 59 (May 1988), the predecessor of **I&TT**, we reported on the research project of Prof. Bouju to improve knowledge of patent economics. The first study on **patent infringement litigation costs** was published by the end of 1987. Now the second study on **patent infringement litigation penalties** is available. It is a practical approach concentrating on the financial aspects of the penalties that can be imposed. Commissioned by the European Community and containing contributions from a team of international experts, it details infringement penalties in all major industrialised countries, both inside the EEC and worldwide. Together with **Patent Infringement Litigation Costs** this report provides you with a complete survey of patent infringement, indicating how to accurately balance the risks of patent litigation in bringing an action, whether acting for plaintiff or defendant.

**Readership:** commercial lawyers; patent agents; patent attorneys; commercial licensing departments. Price: £ 55, ISBN 085121 5777, Longman Group UK Limited, UK-London WC1N 3NJ, Tel.: (44) 1 242.25.48

### LES ACTIONS EN CONTREFAÇON DE BREVETS DANS LE MONDE - PROCEDURES ET CÔUTS -

**Patent infringement litigation costs** is now also available in French: *Les actions en contrefaçon de brevets dans le monde - Procédures et Côtus*, E. J. A. Jupiter, ISBN 2-7060-0026-0



## WIPO NOTES 24% RISE IN NUMBER OF INTERNATIONAL PATENT APPLICATIONS IN 1989

The **World Intellectual Property Organisation (WIPO)** announces a steep increase (24%) in operations under the **Patent Cooperation Treaty (PCT)** in 1989. The rise in the number of applications is essentially due to the fact that inventors, industries and agents are more and more aware of the advantages offered by the PCT. The WIPO International Bureau received 14,874 international applications (compared to 11,996 in 1988).

In 1989, a **European patent** was requested in 13,317 applications, which represents 89.53% of the cases (compared to 10,637 in 1988, or 88.97% of the cases). 2,210 applications (14.85%) contained more than ten designations and their applicants thus benefited from the advantage of the maximum amount of the designation fee according to which any designation in excess of ten is free of charge.

## AGREEMENT ON COMMUNITY PATENTS

The Agreement relating to Community patents, done at Luxembourg on 25 December 1989, is published in Official Journal L 401 of 30/12/1989.

## Seminars on University Research Marketing at Fairs 3rd to 9th May, 1990, Hannover, FRG

Under its **SPRINT Programme**, the CEC is supporting a series of one day seminars on '**University Research Marketing at Fairs**' from 3rd to 9th May, 1990. They will take place in the working environment of the Hannover Fair **INDUSTRY**, which is the world's largest investment goods fair. The seminars are intended for scientists and industrial liaison officers in universities.

The seminars will be held in English on seven consecutive days in the **RESEARCH FORUM of the innovation market 'Research and Technology'**. The **subjects** to be covered are as follows:

- marketing research: a service and its results
- the potential of technology: a multi-functional 'pre-product'
- research marketing at fairs and maximising results
- solving analogous problems: 'horizontal transfer' by dialogue
- scientists at fairs: motivation, training, business start-ups

The fee for a one-day seminar is 90 ECU including documentation and lunch. [Programme and additional information from RESEARCH FORUM, c/o INFOBRIEF Luxembourg SARL, P.O.B. 206, L-2012 Luxembourg, Telephone 00352-330833, Telefax 00352-338069.](#)

## PATENT APPLICATIONS RECENTLY PUBLISHED

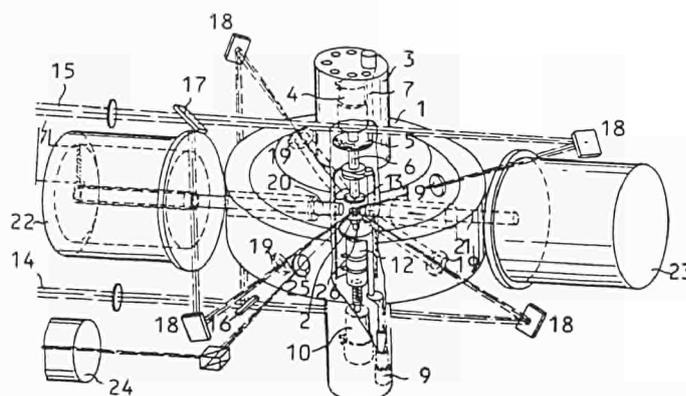
The Patent Applications shown in this section concern Inventions resulting from EC-funded or cost-shared EC Contract Research

## 1. A DEVICE FOR THE MANUFACTURE OF AMORPHOUS CERAMIC MATERIALS

**Inventors:** J. VAN GEEL, P. WERNER, J.P. HIERNAUT, J. MAGILL — **Ref:** EUR PAT 2229

Amorphous metal alloys ('metal glasses') possess new technological properties which cannot be found in their crystallized variants. Their special structure is formed when the melt is cooled at high speed to temperatures where no more crystallization is possible. The essential element of this new device is a cylindrical **high pressure autoclave (1)** which enables substances of high purity to be manufactured within the terrestrial gravity field. Compared to known processes, this avoids problems related to production transfer into space or difficulties in positioning and stabilizing the sample.

The gastight magazine (7) of a spherical feeding device (3) axially connected to the autoclave (1) stores a succession of crude spherical samples to be transferred one after the other into the process position located in the centre of the autoclave. As soon as the autoclave (filled with the appropriate gas) has attained the desired pressure, a step-by-step motor (4) driving a singularizing disk (5) releases the sample from the magazine so that it falls through the autoclave supply channel (6) and the central hole of a reflector disk (13) into an **acoustically permeable catch basket (26)** placed below the process position. A **piezoceramic acoustic resonance-levitation installation (12)** tuned by a motor (10) takes the sample from the catch basket up into the process position (2) where it remains suspended. Then, in a repeatable short time, **two laser beams (14, 15)** divided respectively via a beam splitting mirror (16, 17) directed by derivation mirrors (18) onto the process position through windows (19) heat the sample up to its melting point. Thereupon, two stamps (20, 21) movably mounted on either side of the process position are speeded up by electro-magnetically moving coils (22, 23) so that their surfaces (acting as cooling heads) collide and crush the sample, which is thus cooled down at high speed (more than 106 Ksec-1) and pressed into a flat cylinder. When the stamps rebound and the levitation installation turns off, the finished amorphous sample, whose manufacture took only fractions of a second, falls through a funnel into a reception tank (9). A **programmable process controller** coordinates the operation, which can be precisely followed by a **multi-wavelength-pyrometer (24)** directed on the process position through a window (25). The invention is also suitable for the manufacture of platelet shape glass-type alloys for industrial needs.

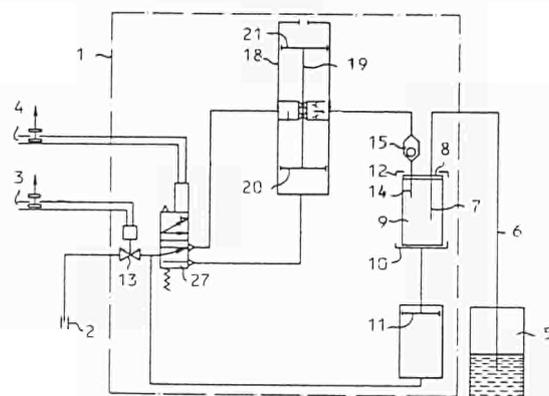


## 2. A PNEUMATIC DEVICE FOR THE AUTOMATIC EXTRACTION OF A LIQUID SAMPLE FROM A VESSEL

**Inventors:** L. VAN LOON, R. VAN DER AAT, B. MANCINELLI, R. PILLIARD, M. GAIARDO — **Ref:** EUR PAT 2239

Samples of noxious or radioactive liquids to be taken for analytical purposes from inaccessible zones such as hot cells are usually extracted through complicated, remotely manipulated systems placed at each extraction point.

This invention enables sample extraction to be performed by one single safely operating device which can be transported to the different extraction points. The device will be placed in the hot cell (1) containing the vessel (5) from which the sample is to be taken. It is connected to a source of pressurized air and, via two electric control lines (3, 4), to a control panel outside the hot cell. It comprises an **ampoule tubing (9)** standing on a **liftable plate (10)** moved by a pneumatic piston (11) inside a cylinder connected via a main valve (13) with the source of pressurized air (2). When the main valve is opened, the piston lifts the plate and pushes the ampoule tubing upwards against a stop (12), so that a **sucker needle (14)** situated above the ampoule tubing's upper rubber lid (8) penetrates inside the tubing. The sucker needle is connected to an **electromagnetic valve assembly (18-21, 27)**, providing it with either an underpressure or an overpressure. The device comes into operation when, at the same time as the sucker needle enters the ampoule tubing, a **hollow needle (7)** connected by a liquid conveying line (6) with the liquid-containing vessel is also pricked through the ampoule's rubber lid. First, the sucker needle receives an overpressure so that the ampoule tubing and, through the hollow needle, the supply line are rinsed with pressurized air. Then, through an underpressure created in the ampoule tubing, the sample is sucked into it. As soon as liquid instead of air enters the sucker needle, a water stop flap valve (15) stops the liquid extraction.



Further information on the inventions above can be obtained from: Commission of the European Communities, Directorate-General XIII/C/1, Ms L. Gerlach (JMO B4/068), L-2920 Luxembourg — Tel.: (352) 4301-2922, Telex: 3423/3446



# EURO COURSES

## EURO COURSES

The Joint Research Centre of the CEC presents its **1990 programme of courses and seminars**. Essentially this programme reflects the subjects or aims of the research activities carried out in the establishments of the four JRC sites.

The programme includes:

- **basic or advanced courses** in specialized disciplines,
- **seminars at research level** discussing the state of the art in sectors of science where rapid development is taking place.

The lecturing staff is composed of members of the JRC establishments and visiting lecturers from universities, research organizations and industrial firms. The international character of the courses is emphasized as a means of extending sources of information and encouraging fruitful exchanges and discussions.

### Information:

Mr G. Pellegrini  
JRC, I-21020 Ispra (Varese)  
Tel.: (39) 332 78.98.19  
Tlx: 380042 / 380058 EUR I  
Fax: (39) 332 78.98.39

## PROGRAMME

### Remote Sensing

- |             |   |                                 |
|-------------|---|---------------------------------|
| 14-25 May   | Remote Sensing and Geographical Information Systems for Management of Natural Resources in Developing Countries | <input type="checkbox"/> ISM/90 |
| 24-28 Sept. | Application of Remote Sensing to Agricultural Statistics. Crop Inventories and Area Frame Sampling              | <input type="checkbox"/> RSA/90 |

### Chemical and Environmental Science

- |            |  |                                 |
|------------|--|---------------------------------|
| 11-15 June | Practical Applications of Quantitative Structure-Activity Relationships (QSAR) in Environmental Chemistry and Toxicology | <input type="checkbox"/> QSA/90 |
| 3-7 Sept.  | Sulphur Dioxide and Nitrogen Oxides in Industrial Waste Gases : Emission, Legislation and Abatement                      | <input type="checkbox"/> IWG/90 |

### Information Science

- |             |  |                                 |
|-------------|--|---------------------------------|
| 4-8 June    | Computing with Parallel Architectures  | <input type="checkbox"/> CPA/90 |
| 10-14 Sept. | Cellular Automata : Methods and Applications                                     | <input type="checkbox"/> CAM/90 |
| 6-9 Nov.    | Industrial Application of Electromagnetic Computer Codes                         | <input type="checkbox"/> ECC/90 |
| 12-16 Nov.  | Architecture and Programming Environment of the Supernode Network of Transputers | <input type="checkbox"/> APE/90 |

### Reliability & Risk Analysis

- |             |   |                                 |
|-------------|---|---------------------------------|
| 17-21 Sept. | Safety of Chemical Batch Reactors and Storage Tanks | <input type="checkbox"/> BSR/90 |
| 8-12 Oct.   | Reliability Data Collection and Analysis            | <input type="checkbox"/> RDA/90 |

### Advanced Techniques

- |                 |   |                                 |
|-----------------|---|---------------------------------|
| 28 May - 1 June | Advanced Seminar on Scientific Methods in Dating and their Applications | <input type="checkbox"/> MDA/90 |
| 15-19 Oct.      | Advanced Techniques for Nuclear Medicine                                | <input type="checkbox"/> TNM/90 |

### Technological Innovation

- |            |                                      |                                 |
|------------|--------------------------------------|---------------------------------|
| 22-26 Oct. | Forecasting Technological Innovation | <input type="checkbox"/> FTI/90 |
|------------|--------------------------------------|---------------------------------|

## EURO COURSES

### Request for Information

Please send the programme for the EUROCURSES as indicated on the right of the order form (please tick).

Name: \_\_\_\_\_

Organisation: \_\_\_\_\_

Address: \_\_\_\_\_

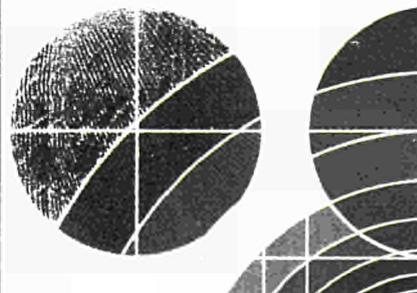
Postal Code: \_\_\_\_\_

Town: \_\_\_\_\_

Country: \_\_\_\_\_

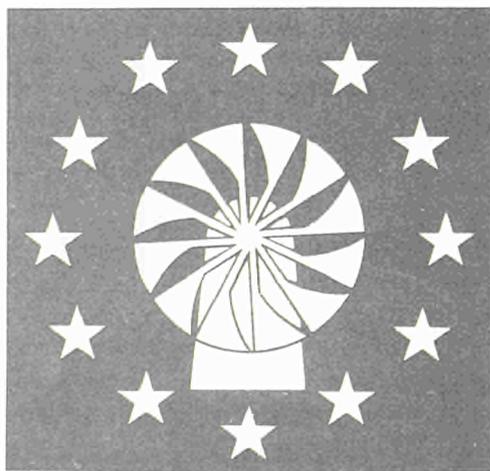
Please return the whole page to the address below:

Secretariat: Eurocourses, Joint Research Centre, I-21020 Ispra (Varese), Tel.: (39) 332 78.98.19, Tlx: 380042 / 380058 EUR I, Fax: (39) 332 78.98.39



# 1990 EUROPEAN COMMUNITY WIND ENERGY CONFERENCE AND EXHIBITION

10-14 September 1990  
MADRID SPAIN



Sponsored by  
Commission of the European Communities

## DECLARATION OF INTEREST

Please type or print clearly and mail to

H.S. Stephens & Associates, Agriculture House, 55  
Goldington Road, Bedford MK40 3LS, England

Name: \_\_\_\_\_ Initials: \_\_\_\_\_

Organisation: \_\_\_\_\_

Postal address: \_\_\_\_\_

Please send further details when available

# ECART

EUROPEAN CONFERENCE  
ON THE  
ADVANCEMENT OF  
REHABILITATION  
TECHNOLOGY

November 5 - 8, 1990  
Maastricht  
The Netherlands

First announcement and call for papers

Organized in cooperation with ISPO  
(International Society for Prosthetics and  
Orthotics),  
ISAAC (International Society for  
Augmentative and Alternative  
Communication) and  
ISEK (International Society for  
Electrophysiological Kinesiology) in the  
MECC, the Maastricht  
Exhibition and Congress Centre.



isaac



CONFERENCE EUROPEENE  
SUR LE PROGRES DE LA  
TECHNOLOGIE EN  
READAPTATION  
FONCTIONNELLE

Du 5 au 8 Novembre 1990  
Maastricht  
Pays-Bas

Première annonce et premier appel aux  
communications

Organisée en coopération avec ISPO  
(International Society for Prosthetics and  
Orthotics),  
ISAAC (International Society for  
Augmentative and Alternative  
Communication) et  
ISEK (International Society for  
Electrophysiological Kinesiology) au MECC,  
le Centre d'Exposition et de Congrès à  
Maastricht aux Pays-Bas.

Conference secretariat, Scientific programme inquiries, Dr T. Gerritsen, Dr M. Soede, Institute for Rehabilitation Research, Zandbergsweg 111, NL-6432 CC Hoensbroek, Tel.: (31) 45 22.43.00, Fax: (31) 45 22.63.70.

## Annual Training Courses on

## LICENSES AND TRANSFER OF TECHNOLOGY

open to people from commerce and industry  
members of the legal profession and other practitioners

## PROGRAMME FOR 1990

CEIPI

CENTRE D'ETUDES INTERNATIONALES DE LA  
PROPRIETE INDUSTRIELLE

International Division

Place d'Athènes  
67084 STRASBOURG CEDEX (France)  
Tel. No. 88 61 56 04 and 88 41 42 30  
Télécopieur: 88 60 37 10

**ART IN A EUROPE WITHOUT BORDERS**  
**'IMAGINATION AND DIVERSITY: EUROPE'S RICHNESS,**  
**COOPERATION ON EDUCATION IN THE ARTS'**

**CONGRESS, AMSTERDAM, 3-5 October 1990**

The main objective of this congress will be the establishment of the 'European League of Institutes of the Arts' (ELIA). Around 450 people are expected to attend, representing all the disciplines of the arts, from various institutes of the arts in EC countries, EFTA countries and countries in central and eastern Europe. The following subjects, among others, will be dealt with during the congress:

- exchange of and cooperation between students and teachers;
- organization of international educational and cultural events;
- the establishment of a data bank, directed towards internationalization of student opportunity;
- an improved strategy for programmes of exchange of students and teaching staff.

The congress is receiving support from the CEC, ERASMUS, The Goethe Institut, The British Council and national governments. For further information, please contact: Mrs C. Delfos, Amsterdam School of the Arts, Oudezijds Voorburgwal 195, P.O. Box 15079, NL-1001 MB Amsterdam, Tel.: (31) 20 278.232, Fax: (31) 20 229.833

**'SCIENTIFIC AND TECHNICAL MUSEUMS, NETWORKS AND EDUCATION IN EUROPE'**  
**CONFERENCE, June, 10-12, 1990, STRASBOURG**

Organised by AMCSTI (the French Association of Museums and Centres for the Improvement of the Public Understanding of Science).

What kind of cooperation is there in Europe between the educational systems and museums, centres and networks dedicated to the public understanding of science and technology? Contributions, by personalities from the West and the East, will focus on local, regional for national experience and European cooperation. This conference, supported by the European Economic Community and leading technical and scientific museums in Europe, will provide ample opportunities for discussions.

For further information, please contact: AMCSTI, 14, bld Poissonnière, 75009 PARIS, Tel.: (33) 1 45.23.07.73, Fax: (33) 1 42.46.28.52 or Mr André, CEC, DG XII, SDME 01/38, 200, rue de la Loi, B-Brussels, Tel.: (32) 2 236.07.81, Fax: (32) 2 235.88.65.

**Royal College of Physicians of London**



**CONFERENCE ON THE IMPACT OF THE EC ON MEDICINE**

**at the College 10th May (closing date 27th April)**

- Chairman: The President
  - Introductory talk  
J Metters, Deputy Chief Medical Officer
  - Chairman: Sir Robert Kilpatrick  
**TRAINING OF DOCTORS**
  - Postgraduate training  
D Shaw, London
  - Recognition of qualifications  
S Allman, Brussels
  - BASIC SCIENCE AND RESEARCH**
  - Funding research  
AJG Dickens, Brussels
  - Organising a concerted action  
G Bock, London
  - ETHICS**
  - Chairman: Sir Douglas Black
  - Medical aspects  
G Dunstan, Exeter
  - Legal aspects  
G Dworkin, London
  - DRUG REGULATION**
  - Chairman: AW Asscher
  - Overview of drug regulatory systems in EC countries  
K Jones, London
  - Evolution of EC pharmaceutical regulations  
JP Griffin, London
  - Gains and losses of British participation in EC drug regulation  
MD Rawlins, Newcastle upon Tyne
- Full Details and application forms are available from:  
The Conference Secretary, Royal College of Physicians  
11 St Andrew's Place, Regents Park  
London NW1 4LE. Phone 01-935 1174



**Growing Small Firms — the Role of Technology**  
 20th Anniversary European Small Business Seminar  
 Dublin, Ireland, 11-14 September 1990

efmd EUROPEAN FOUNDATION FOR MANAGEMENT DEVELOPMENT

Information: The Secretariat, 20th European Small Business Seminar, c/o Irish Management Institute, Sandyford Road, IRL-Dublin 16

**SEMINARS AND CONFERENCES ON ENERGY EFFICIENCY**

**EUROPEAN SEMINAR ON ENERGY EFFICIENCY IN THE FOUNDRY SECTOR**

Venue: San Sebastian - Donostia, Spain

Date: 31 May / 1 June 1990

The aim of the seminar is to disseminate the **energy saving techniques for waste heat from foundries** that have been learned through the Energy Demonstration Programme and to foster new and innovative ideas that can be pursued by companies in the foundry sector. The seminar will cover direct and indirect heat recovery, process optimisation and experience in the foundry sector in the European Energy Demonstration Programme.

Organised jointly by the Ente Vasco de la Energía (EVE) and the CEC, DG XVII.

**Further information:** Mr C. Molina, CEC, DG XVII/D/1, TERV 6/4, 200, rue de la Loi, B-1049 Brussels, Tel.: (32) 2 235.15.24, Tlx: 21877 COMEUR B, Fax: (32) 2 235.01.50

**EUROPEAN SEMINAR ON COMPUTER-ASSISTED ENERGY MANAGEMENT**

Venue: Paris, 26 April 1990

This seminar, which is part of the MEI '90 event (see page 27) has been designed to provide information on the **latest developments in computer-controlled and computer-aided energy management**, including measurement techniques, data acquisition processes, control and optimisation, and engineering software expert systems.

The conference is free of charge and should be of special interest to all energy managers and others with responsibility for energy usage, equipment manufacturers, software producers, consultants, representatives from engineering services organisations and utilities, as well as academic institutions. Official working languages are French, German and English.

**Further information and application forms can be obtained from** Mr R. Gardner, CEC, DG XVII/D/1, 200, rue de la Loi, B-1049 Brussels, Tel.: (32) 2 235.96.33, Tlx: 21877 COMEUR B, Fax: (32) 2 235.01.50

**SEMINAR ON EFFICIENT SOLAR THERMAL SYSTEMS IN BUILDING DESIGN AND OPERATION**

Venue: Turin, Italy

Date: 27/28 September 1990 (to be confirmed)

This seminar will cover all aspects of the above subject, including reports on a number of successful demonstration projects which have been supported by the EC. Site visits will also be included in the programme.

**Further information and application forms can be obtained from** Mr R. Gardner, CEC, DG XVII/D/1, 200, rue de la Loi, B-1049 Brussels, Tel.: (32) 2 235.96.33, Tlx: 21877 COMEUR B, Fax: (32) 2 235.01.50



COMMISSION  
OF THE EUROPEAN COMMUNITIES

**SIXTH EUROPEAN SYMPOSIUM  
ON ORGANIC MICROPOLLUTANTS  
IN THE AQUATIC ENVIRONMENT**

LISBON (PORTUGAL)

22-24 May 1990

DIRECÇÃO GERAL DA QUALIDADE DO AMBIENTE  
E INSTITUTO HIDROGRÁFICO, LISBOA

First announcement

**SYMPOSIUM ON ORGANIC MICROPOLLUTANTS  
IN THE AQUATIC ENVIRONMENT**

The Symposium is organized by the Commission of the European Communities DG XI (Environment) and the Instituto Hidrográfico, Lisbon, with the assistance of a Scientific Committee within the framework of the Concerted Action '**Organic Micropollutants in the Aquatic Environment**' (COST 641). It will take place from 22 to 24 May 1990 in Lisbon, Portugal, at the Lisboa Sheraton Hotel, Rua Latino Coelho 1, P-1097 Lisboa Codex, Tel.: (352) 1 575.751, Tlx: 12774.

The programme will cover the following **topics**:

1. **Analytical Methodologies and Data Treatment**
2. **Transport and Distribution**
3. **Transformation Reactions** in the Aquatic Environment
4. **Behaviour of Organic Micropollutants** in Water Treatment Processes

Further information can be obtained from Mr G. Angeletti, CEC, DG XII/E/1, SDME 03/55, 200, rue de la Loi, B-1040 Brussels, Tel.: (32) 2 235.84.32, Tlx: 21877 COMEUR B, Fax: (32) 2 236.30.24.

## OPPORTUNITIES FOR THE INFORMATION INDUSTRY IN EASTERN EUROPE

15th MAY 1990 — INFOBASE FAIR-FRANKFURT

### CONFERENCE ON POLITICAL PERSPECTIVES AND ON PUBLISHERS, HOSTS AND USERS

The dramatic changes taking place in Eastern Europe will create many opportunities for the European information industry. Access to business information will be vital to the process of revitalizing the Eastern European economies. Opportunities have already emerged for information producers to make their data available for publication in the West.

Information: EIIA, BP 262, L-2012 Luxembourg, Tel.: +352 434183, Fax: +352 433159

## CEPS SEMINAR ON EASTERN EUROPE

The Center for European Policy Studies (CEPS) will be organising a **seminar on Eastern Europe: 'New Western Policies and business Strategies (24.4.1990)'**. Experts from the CEC, the European Investment Bank and NATO will give insights into: — the European Community's **trade and cooperation agreements** with Eastern Europe, - the **G-24 assistance programme** (Lighthouse), - the **European Bank for Reconstruction and Development** and the future of the **Cocom list**. The briefing on Eastern Europe will focus on economic and monetary aspects, legislation and regulations (intellectual property rights, copyright protection, joint venture and merger legislation), as well as the business environment.

**Contact:** Centre for European Policy Studies, 33, rue Ducale, B-1000 Brussels, Tel.: (32) 2 513.40.88, Fax: 2 511.59.60.

## FAIR OF PRACTICAL UTOPIAS

CITTA DI CASTELLO — 24 SEPTEMBER - 7 OCTOBER 1990

**Fire** will be the theme of this year's **Fair of Practical Utopias**, being the third of the four classical elements, after water and fire, to be presented. Fire means above all **energy**. Attention will be centred above all **on the climate**. Global warming threatens the natural base of numerous forms of life on the planet, the human one included. **THE FAIR OF PRACTICAL UTOPIAS** will therefore focus on **ENERGY SAVING** strategies. It will comprise a fair, an exhibition, conferences and seminars (at week-ends), theatrical activities, excursions, as well as films, spectacles and other presentations.

**For further information, please contact:** Fair of Practical Utopias, Fiera delle Utopie Concrete, I-06012 Città di Castello, Tel.: (39) 75 85.29.268/8355055, Fax.: (39) 75 85.20.447.



FIRST EUROPEAN SYMPOSIUM ON TERRESTRIAL ECOSYSTEMS:  
Forests and Woodlands

## FIRST EUROPEAN SYMPOSIUM ON TERRESTRIAL ECOSYSTEMS:

### FORESTS AND WOODLANDS

Florence, 20-24 May 1990

The **Commission of the European Communities**, together with the **European Science Foundation** and the **National Research Council** (Italy), is organising a symposium to review available knowledge concerning patterns and processes in European terrestrial ecosystems. Reviews will focus on basic knowledge of forest and woodland. They will also consider the successional development of forest ecosystems from non-forest precursors.

**Any further information can be obtained from:** P. Mathy, CEC, DG XII, 200, rue de la Loi, B-1049 BRUSSELS Tel.: (+32)2 235.81.60, Tlx.: COMEU B 21877, Fax.: (+32)2 236.30.24.

Florence, Italy, 20-24 May 1990

### FIRST ANNOUNCEMENT

## KNOWLEDGE TRANSFER 'ADVANCED ACCESS TO INFORMATION' — 18 JUNE 1990, LUXEMBOURG

Reports from two innovative projects in the framework of the **IMPACT programme** for the development of the Community information services market:

— **Access to online databases by natural language** — **Access to information services by human voice**

**For further informations, please contact:** Commission of the European Communities, DG XIII-B-1, Mr. Jean Goederich, JMO B4/35, Tel. (35) 243 014 858, Fax (35) 243 013 909, L-2920 Luxembourg.

# INTERNATIONAL CONFERENCE ON HIGH TEMPERATURE STRUCTURAL DESIGN

Venice 24/25/26 October 1990

**Organised by CEC in cooperation with ENEL/ENEA**

**Cosponsored by: CEA, CTI, SNECMA, EDF, CISE, VDEI, IMECHE, UKAEA**

The conference will focus on the structural design and assessment of metallic components operating at high temperature. The aim of the Conference is to bring together, through invited papers, experience gained in different industrial fields in order to identify areas where current design methods could be improved. Consideration will be given to the design of structures which are subjected to significant thermal stressing, due either to steady temperature gradients or to transient thermal shocks. Here, existing design methods require further development, particularly where time dependent effects also have to be taken into account. Feed-back from plant operating experience will also be an important topic.

✂ -----

For more information, please complete and return the following to:

Mr. F. CORSI - ENEA - Centro Ricerche Energia della Casaccia - Via Anguillarese, 301 - Roma - ITALY  
Tel. N°. (06) 3048.3422 - Telefax (06) 3048.6308

Name ..... Organisation .....

Address for Correspondence .....

Business position .....

Telefax number ..... Telex number.....

## HARMONISATION OF TESTING PRACTICE FOR HIGH-TEMPERATURE MATERIALS REFERENCE MATERIALS — CODES OF PRACTICE — STANDARDS

JOINT RESEARCH CENTRE, ISPRA, ITALY  
18-19 October 1990

Organized by the High-Temperature Mechanical Testing Committee in collaboration with the Community Bureau of Reference (BCR) and the Institute of Advanced Materials of the JRC.

The principal objective of the meeting will be a review of recent progress in **improving testing practice for high-temperature materials** through the provision of reference materials and the development of standards and codes of practice.

**For further information, please contact:** B. E. Lacombe, Conference Coordinator, HTMTC Building 1, National Physical Laboratory, Teddington, Middlesex TW11 OLW UK, Tel.: (44) 1 977.32.22, Fax: (44) 1 943.21.55.

## INDUSTRIAL ENGINEERING EFFICIENCY AND INTEGRATION FOR BUSINESS

### Third International Conference

Ecole D'Ingénieurs

Ecole Supérieure de Commerce

Université François Rabelais

March 20-22, 1991

**Further information on the call for papers and this conference can be obtained from:** Caroline Vaslin, Phone: (33) 47.36.65.00, Université François Rabelais, 3, rue des Tanneurs, 37041, Tours Cedex.

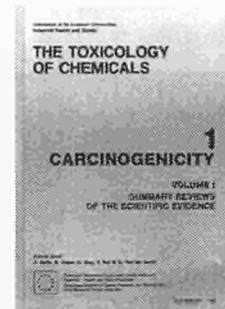
NEW PUBLICATIONS ON THE TOXICOLOGY OF CHEMICALS:  
**SERIES ON CARCINOGENICITY**  
**SUMMARY REVIEWS OF THE SCIENTIFIC EVIDENCE**

Edited by: A.Berlin, E.Draper, E.Krug, R. Roi, M.Th. Van der Venne

Volume 1 EUR 12029 EN, ISBN 92-825-9381-9 1989, 15 ECU, Volume 2 EUR 12481 EN, ISBN 92-825-9790-3 1990, 15 ECU, Publication arrangements: CEC, DG XIII-C

These volumes provide summary reviews of the salient scientific evidence that underlies the **assessment of a particular chemical in terms of carcinogenicity**. It is planned that subsequent volumes will continue to appear annually. The reviews do not set out to be encyclopaedic, but rather to provide concisely and systematically the **most relevant scientific findings on widely used chemicals** from studies in animals, from the results of short-term tests for mutagens and carcinogens, and from epidemiological studies utilised in the risk assessment of a chemical. The books should prove a **valuable guide to those with responsibilities for worker protection**.

Available from the Office for Official Publications of the European Communities, 2 rue Mercier, L-2985 Luxembourg.



**SURVEY OF THE TRAINING PROGRAMMES IN TOXICOLOGY IN THE MEMBER STATES OF THE EUROPEAN COMMUNITY**

A. Berlin, P. Hoet, P. Lauwerys, M.Th. Van Der Venne

In the framework of the implementation of the programme of action of the European Communities on **toxicology for health protection** (Official Journal of the European Committee C 184/86, p.1), emphasis is placed on training and information.

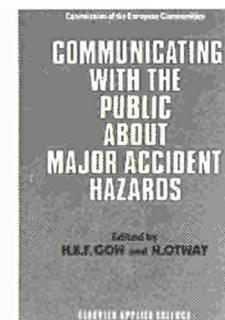
Luxembourg: Office for Official Publications of the European Communities, EUR 12386, ISBN 1 872 636 004; Publisher: Craig Desk Top Productions, 4 Torsonce Road, Eskbank, Dalkeith EH22 3AG.

**COMMUNICATING WITH THE PUBLIC ABOUT MAJOR ACCIDENT HAZARDS**

Edited by H. B. F. BOW and H. OTWAY

The EEC Directive on the major hazards of certain industrial activities, commonly known as the **Seveso Directive**, specifies that members of the public liable to be affected by a major accident be informed of safety measures and how they should behave in the event of an accident. This book contains papers presented at the European Conference on Communicating with the Public about Major Accident Hazards, organised by the CEC, DG XI, in collaboration with the Joint Research Centre (JRC). The Conference objective was to **integrate and analyse the uneven and fragmented experience of major hazard communication** to date and to draw conclusions specific to European cultural tradition and legislative structures.

Publication arrangements by CEC, DG XIII-C, EUR 12255 EN, ISBN 1-85166-457-2. Published by ELSEVIER SCIENCE PUBLISHE LTD, Crown House, Linton Road, Barking, Essex 1G11 8JU, England.



**COPOL 88: COMPARISON OF SCIENTIFIC AND TECHNOLOGICAL POLICIES**

These reports, **COPOL 88**, compare the scientific and technological policies of the Community Member States, which should be of great interest if one needs figures and facts in comparison to Japan and the US, as well those of the different Member States.

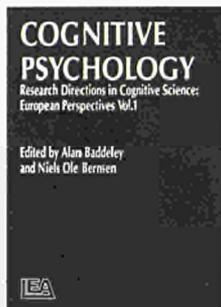
The following are available:

Report EUR 11872 EN Community in international context  
 Report EUR 11982 EN Federal Republic of Germany  
 Report EUR 11981 EN Spain  
 Report EUR 11983 EN Greece

Report EUR 11980 EN Ireland  
 Report EUR 11985 EN Italy  
 Report EUR 11979 EN Luxembourg

Other reports are in preparation. Publication arrangements: CEC, DG XIII-C; Office for Official Publications of the EC, 2, rue Mercier, L-2985 Luxembourg.

## RESEARCH DIRECTIONS IN COGNITIVE SCIENCE: EUROPEAN PERSPECTIVES

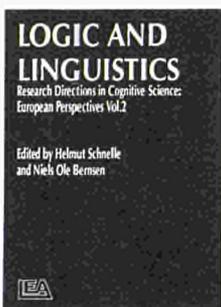


Vol 1. **Cognitive Psychology** by A. Braddley, O. Bernsen  
Vol 2. **Logic and Linguistics** by H. Schnelle, O. Bernsen

The studies were organised and funded as a collaborative network by the research unit FAST (Forecasting and Assessment in Science and Technology) of the CEC and comprised about 35 scientists from the core disciplines of cognitive science. The research disciplines represented in the network were: cognitive psychology, logic and linguistics, cognitive neuroscience, human-computer interaction and artificial intelligence.

Publication arrangements by CEC, DG XIII-C

Published by Lawrence Erlbaum Associates Ltd, Publishers, 27 Palmeira Mansions, Church Road, Hove, East Sussex BN3 2FA-UK, ISBN 0-86377-11-4, EUR 11 116,1, ISBN 0-86377-112-2, EUR 11 116, 2



## MODERN MANAGEMENT IN THE COAL-MINES

Edited by F. W. Kindermann

Proceedings of an information symposium 'Improving productivity through technology' organised by the Commission of the European Communities, Directorate-General Energy, held in Luxembourg from 4 to 5 May 1988.

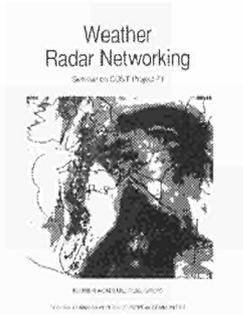
This book has also been published in French and German. Publication arrangements: Commission of the European Communities, DG XIII-C, EUR 12101, ISBN 3-7739-0545-9, ECSC, Luxembourg, 1989, Verlag Glückauf GmbH, Essen, Germany

## WEATHER RADAR NETWORKING

Edited by C. G. Collier and M. Chapuis

This report gives an account of the lectures presented at the **Seminar on Weather Radar Networking** held in Brussels at the Economic and Social Committee (European Communities) on 5-8 September 1989 and initiated by the Commission of the European Communities and Management Committee of the **COST 73 Project**, which aims at setting up a weather radar network in Western Europe that will allow quantitative and real-time measurement of precipitation (rain, snow and hail).

**Publication arrangements by CEC, DG XIII-C, EUR 12414 EN-FR, ISBN 0-7923-0672-4; Published by Kluwer Academic Publishers, P.O.Box 17, NL- 3300 AA Dordrecht, 1990, Brussels and Luxembourg.**



## COAL-WATER SLURRY CONTRIBUTION TO THE EUROPEAN ECONOMIC COMMUNITY'S ENERGY

by B. Variali

A technical and economic study — Demonstration Project

Publication arrangements: Commission of the European Communities, DG XIII-C, EUR 12328, ISBN 92-826-0673-2, Office for Official Publications of the EC, 2, rue Mercier, L-2985 Luxembourg, 1989

## THE MEASUREMENT OF RESIDUAL STRESS IN ENGINEERING CERAMICS

by T. Pradell, P. Glaude, S.D. Peteves, E. Bullock

A methodology for determining residual stress in materials by shifts in **characteristic X-ray diffraction peaks** has been established. The theoretical and experimental basis for the measurement of residual stress in engineering ceramics has been determined.

**Publication arrangements:** CEC, DG XIII-C, EUR 12635, ISBN 92-826-1095-9, ECU 7.50; Luxembourg: Office for Official Publications of the European Communities.



# SPRINT, THE EUROPEAN PROGRAMME FOR INNOVATION AND TECHNOLOGY TRANSFER

## THE CEC SPRINT TEAM

From the left to right: Elie Faroult (Design, Science Parks), Robin Miège (Head of Service), Isabelle Pichon (Secretary), Silvia Panetta (Secretary), Virginie Ardourel (Secretary), Ian Traill (Transnational Networks, EACRO), Suzanne Depaus (Conferences), José Tiscar (Conferences, Industrial Research Associations), Roberta De Biasio (Secretary), Alexander von Witzleben (Newsletter: "Innovation & Technology Transfer", Patents), Chris Dekeyser (Innovation Networks), Trevor Jones (Conferences), Shira Dria (Secretary).

Absent: Daniel Janssens (Networks, Specific Projects, Venture Capital), Martine Michel-Deberghes (Innovation Training), Sue Barton (secretary), Philippe JACOB (secretary)



### CONTRACT RESEARCH:

## EACRO HOLD SUCCESSFUL FIRST CONGRESS



Discussion point at the EACRO Conference, Amsterdam between Dr. Albert STRUB, Director DG XIII-C (left) and Mr. Georges MORDCHELLES-REGNIER, Chairman of EACRO. Also pictured, Mr. S. VILLANI, General Secretary EACRO.

The full proceedings will be published in due course and a newsletter. Further information can be obtained from: Mr Ian TRAILL, CEC, JMO, DG XIII, B4/105, L-2920 LUXEMBOURG, Fax: (352) 4301-4544 or Mr J.P. HUSSON, EACRO, BP 3, F-78373 PLAISIR CEDEX, Tel.: (0033) 1-34 81 85 81, Fax: (0033) 1-30 54 04 14

After only 8 months of existence, EACRO held its **first congress** in Amsterdam 25-27 February. Over 200 people attended the congress from all EEC Member States, EFTA countries plus Israel and Yugoslavia.

The conference was opened by **Dr. E. VAN SPIEGEL**, Directorate General for Science Policy, on behalf of the Dutch Minister for Science and Education **Dr. In. J.M.M. RITZEN** and keynote speeches on 'How and when a company buys new knowledge' were presented by **H.G. DANIELMEYER**, Director Siemens AG, and **R. FERRERO**, Director General for Research and Technology FIAT. **Mr MORDCHELLES-REGNIER, Chairman EACRO**, opened the debate on the role of Contract Research Organisations and the problems facing CRO's in Europe today. The format and functions of EACRO as an organisation to assist the development of the CRO profession in Europe were discussed including the criteria for membership and cooperation between members and with the Commission. All the members of EACRO have been invited to submit their proposals to be discussed at the **general meeting of the association** at Roissy, France on **April 24 1990**.

## 3RD INTERNATIONAL CONGRESS FOR COMPUTER TECHNOLOGY, 27 - 30 May 1990, Frankfurt INTEGRATED DECISION SUPPORT SYSTEMS IN AGRICULTURE

The Congress offers an **international forum for exchanging experience and provides a comprehensive picture of the potential and the further developments of integrated data processing in agriculture**. For further information and registration please contact: Deutsche Landwirtschafts-Gesellschaft e.V. (DLG), Zimmerweg 16, D-6000 Frankfurt am Main, Phone: 069/7168-334, Fax: 069/7241554, Telex: 413 185 dlg d



### TII CELEBRATES ITS 400th MEMBER

Members of the European Commission's CIT, European Parliament and Commission staff, and representatives of the Luxembourg government join the staff of TII to celebrate the Association's 400th member, the Linz Innovation Centre (A).



## TECHNOLOGY TRANSFER NETWORKS

### — NEW TRANSNATIONAL COOPERATION BETWEEN INNOVATION ADVISORY BODIES UNDER SPRINT —

Under the SPRINT Programme a transnational network of specialized intermediaries has been built up (working within chambers of commerce and industry, consultancy bureaux, industrial liaison offices at universities, regional development agencies, etc.). These intermediaries help enterprises to find partners in other European countries with whom they can come to satisfactory technology-based agreements. In this section of 'I&TT' we publish on a regular basis the addresses and contact persons of all SPRINT-sponsored advisory bodies and their partners. In this issue we publish the addresses of the new advisory bodies in France, Ireland, The Netherlands, Portugal, and the United Kingdom selected after the last call for proposals (see I&TT, 5/89, page 33). In issue 1/90 we published the addresses of advisory bodies in the remaining Member States.

### UNITED KINGDOM

NAME AND ADDRESS OF ADVISORY BODY	PARTNER ADVISORY BODIES		NAME AND ADDRESS OF ADVISORY BODY	PARTNER ADVISORY BODIES	
GENERAL TECHNOLOGY SYSTEMS Ltd-GTS Att: Mr I. P. EVANS Brunel Science Park Kingston Lane UK-UXBRIDGE UB8 3PQ	PROMMER CONSULTANTS PRODIGAL PLANNING GROUP SNEDE TEKNIBANK TECHNOLOGY INVESTMENT PARTNERS	D E GR P I F	LANCASHIRE ENTERPRISES LTD Att: Mrs Regina TRENKLER Ribblesdale Place 17 UK-PRESTON PR1 3NA	ZENTRALE FÜR PRODUKTIVITÄT SAAR IAPMEI	D P
MORRISON MILLER ASSOCIATES Att: Ian MILLER Studio 10, FILMER ROAD 75 UK-LONDON SW6 7JF	ORGANOTECNICA DROEGE AND COMP NODAL CONSULTANTS	GR D F	TENDRING DISTRICT COUNCIL Att: Mr R. M. STEWART Council Offices, Weeley UK-CLACTON ON SEA CO16 9AJ	ARIST PICARDIE HJORTH CONSULTING INNOVATION INNOVATIECENTRUM DEN HAAG	F DK NL
NIMTECH Att: Mr Denis MANNIX Westgate, Pennylands Skelmersdale UK-LANCASHIRE WN8 8LP	EOLAS INSTITUTO DE FOMENTO DE MURCIA CRITT-BASSE NORMANDIE COTENTIN	IR E F	LOTHIAN REGION DEV. AUTHORITY Att: Mr Richard Scothorne 12 St Giles Street UK-EDINBURGH EH1 1PT	CAD COTE D'AZUR EOMMEX SOGES SPA TVA BERLIN	F GR I D
AGRO-ECONOMIC SERVICES LTD Att: Mr F. BUTCHER 35 House Stratton Way UK-ABINGDON OX14 3RE	AGRI-CONTACT AGRICO LTD AGRO SER	DK GR NL	STRATEGEM LTD Att: Mr J. T. MOON 3 Oxford Court, Bishopsgate UK-MANCHESTER M23 WQ	SOGES SPA EURO-BUSINESS-SERVICE	I D
CAMBASHI LTD Att: Mr Mike EVANS Mawson Road 52 UK-CAMBRIDGE CB1 2HY	GEPRO mbH MITHEC CVT CONSULTORES LAB MACHINE TOOL (UNIV THESSALONIKI) STANEK CONSULTING AG	D F E GR CH	HAMPSHIRE DEVELOPMENT ASSOCIATION Att: Mr Hugh G. BARRETT Clifton Road 13 UK-WINCHESTER SO22 5BS	CCI DE CAEN	F
VENTURE MANAGEMENT INTERNATIONAL Att: Mr R. DOWLATSHAHI Victoria Road 60-63 UK-SURBITON SURREY KT6 4NQ	EUROPE TRANSFER CONSULTANTS CIMO DEUTSCHLAND INNOVI N.V.	NL D B	INDUSTRIAL DEVELOPMENT BOARD Att: Mr Stanley MCBURNEY IDB House Chichester Street 64 UK-BELFAST BT1 4JX	IDA-Sth East Region MORSO FOOD PARK AGROPARC MOTHERWELL FOODPARK	IR DK F UK
F. L. WALKER & COMPANY Att: Mr Paddy McANEN Mitchell Street 82 UK-GLASGOW G1 3PX	IMPIVA CCI LYON	E F	MOTHERWELL FOODPARK Att: Mr Fred MILLAN Rowantree House Newhouse, Motherwell UK-MOTHERWELL ML1 5RX	IDA-Sth East Region MORSO FOOD PARK AGROPARC INDUSTRIAL DEVELOPMENT BOARD	IR DK F UK
DEFENCE TECHNOLOGY ENTERPRISES LTD Att: Mr John DUCKETT Norfolk House Silbury Bvd 433A UK-MILTON KEYNES MK9 2HA	MST-UNTERNEHMENS-BERATUNG GmbH NOVSPACE INNOVARE SRL CONSULTORIA E INNOVACION DANISH TECHNOLOGY TRANSFER	D F I E DK	DEVELOPMENT OPTIONS LTD Att: Mr Alex NEIL East George Street 44 UK-GLASGOW G2 1D	ISABEL JALLES ADOVADOS OMAS MARKETING HIGH-TECH PROJECTS BV	P GR NL
			NIMTECH Att: Mr Denis MANNIX Eastgate, Pennylands 1 Skelmersdale UK-LANCASHIRE N8 LP	ADOUR AUTOMATISMES INSTITUTO MADRILENO DE TECNOLOGIA CATIM	F E P

### NETHERLANDS

NAME AND ADDRESS OF ADVISORY BODY	PARTNER ADVISORY BODIES		NAME AND ADDRESS OF ADVISORY BODY	PARTNER ADVISORY BODIES	
BIC HELMOND Att: Mr J. J. STEEMAN Hortse Dyk 104 NL-5708 HE HELMOND	PK BERLIN mbH INNOVATIONS-ZENTRUM BERLIN GmbH	D D	HANZEHOGESCHOOL GRONINGEN Att: Mr J. G. KOEL Landleven 10 NL-9747 AD GRONINGEN	ITT-FACHHOCHSCHULE PFORZHEIM	D
SCIENCE PARK MAASTRICHT Att: Mr Rene VLEUGELS Beeldsnijdersdreef 85 Postbus 210 NL-6200 AE MAASTRICHT	GENETIC ENGINEERING GROUP BIORESEARCH IRELAND EXPERTEAM GmbH	DK IR D	INNOVATIECENTRUM DEN HAAG Att: Mr J. W. R. ARNOLD Groot Hertoginnelaan 8 NL-2517 EG DEN HAAG	ARIST PICARDIE HJORTH CONSULTING INNOVATION TENDRING DISTRICT COUNCIL	F DK UK

CCI AMSTERDAM Koningin Wilhelminaplein 13 NL-1062 HH AMSTERDAM	ADECI	F
AGRO SER Att: Mr M. J. VERVOORT Vadaring 2 NL-6782 EA WAGENINGEN	AGRO-ECONOMIC SERVICES LTD AGRI-CONTACT AGRICO LTD	UK DK GR
EUROPE TRANSFER CONS. Att: Mr J. P. A. VAN DER PLAS Eendrachtsweg 42 NL-3012 LD ROTTERDAM	VENTURE MANAGEMENT INTERNATIONAL CIMO DEUTSCHLAND INNOVI N.V.	UK D B

MARKETING HIGH-TECH PROJECTS BV Att: Mr Hubert G. A. M. GROOTEN St. Remigiusstraat 32a NL-6369 EM SIMPELVELD	ISABEL JALLES ADOVGADOS OMAS DEVELOPMENT OPTIONS LTD	P GR UK
BURIE ONDERZOEK EN ADVIES Att: Mr J. B. BURIE Hoofdweg 248 NL-8475 CE NIJEHOLTPADE	CSTC	B

FRANCE

NAME AND ADDRESS OF ADVISORY BODY	PARTNER ADVISORY BODIES	
TECHNOLOGY INVESTMENT PARTNERS Att: Mr Jacques BERNARD Rue de Jarente 8 F-75004 PARIS	GENERAL TECHNOLOGY PROMMER CONSULTANTS PRODICAL PLANNING GROUP SNEDE TEKNIBANK	UK D E GR P I
NODAL CONSULTANTS Att: Louis BERREUR Avenue Hoche 53 F-75008 PARIS	MORRISON MILLER ASSOCIATES ORGANOTECNICA DROEGE AND COMP	UK GR D
CRITT-BASSE NORMANDIE COTENTIN Att: Mr Joel GUERILLON Département d'IUT, BP. 6 F-50130 OCTEVILLE	NIMTECH EOLAS INSTITUTO DE FOMENTO DE MURCIA	UK IR E
ADECI Att: Mr Jean-Claude SITBON Rue Henri Barbusse 2 F-13001 MARSEILLE	CCI AMSTERDAM	NL
MITHEC Att: Mr Michel THERON Rue Beaunier 19 F-75014 PARIS	GEPRO mbH CVI CONSULTORES LAB MACHINE TOOL STANEK CONSULTING AG CAMBASHI LTD	D E GR CH UK
CCI LYON Att: Mr Pierre MICHEL Rue de la Bourse 20 F-69289 LYON	IMPIVA F.L. WALKER & COMPANY	E UK
NOVSPACE Att: Mr Jean-Pierre HOCHART Rue des Halles 15 F-75001 PARIS	MST UNTERNEHMENSBER. INNOVARE SRL CONSULTORIA E INNOVACION DANISH TECHNOLOGY DEFENCE TECHNOLOGY	D I E DK UK
AGROPARC Att: Mr Jean Louis BERNADI Rempart du Rhône 14 F-84000 AIGNON	INDUSTRIAL DEVELOPMENT IDA-Sth East Region MORSO FOOD PARK MOTHERWELL FOODPARK	UK IR DK UK

NAME AND ADDRESS OF ADVISORY BODY	PARTNER ADVISORY BODIES	
CCI D'EPINAL Att: Mr François RENOLLEAU Claude Gelé 10 F-88000 EPINAL	CCI D'ARTISANAT ET D'AGRICULTURE UDINE	I
ADOUR AUTOMATISMES Att: Mr Elias AGOURI 23 Rue Louis Barthou 23 F-64000 PAU	INSTITUTO MADRILEÑO DE TECNOLOGIA CATIM NIMTECH	E P UK
ARIST PICARDIE Att: Mr Alain ZIMMERLIN Cormont 18 F-80000 AMIENS	HJORTH CONSULTING INNOVATIECENTRUM DEN HAAG TENDRING DISTRICT COUNCIL	DK NL UK
CAD COTE D'AZUR Att: Mr Thierry MARTIN 10 rue de la Préfecture F-06300 NICE	EOMMEX LOTHIAN REGION DEV. SOGES SPA TVA BERLIN	GR UK I D
CCI DE CAEN Att: Mr Alain ALMERAS BP 511, Bvd Maréchal Leclerc 41 F-14035 CAEN CEDEX	HAMPSHIRE DEVELOPMENT ASSOCIATION	UK
ENTREPRISE RHONE-ALPES INT. Att: Mr Christian GENTIL Route de Paris 78 F-69260 CHARBONNIERERS	CESTEC CIDEM STIFTUNG AUSSENWIRTSCHAFT BADEN-WÜRTTEMBERG	I E D

PORTUGAL

IRELAND

NAME AND ADDRESS OF ADVISORY BODY	PARTNER ADVISORY BODIES	
EOLAS Att: Mr Ray McSHERRY Glasnevin IRL-DUBLIN 9	NIMTECH INSTITUTO DE FOMENTO CRITT-BASSE NORMANDIE COTENTIN	UK E F
BIORESEARCH IRELAND Att: Mr James RYAN Glasnevin IRL-DUBLIN 9	GENETIC ENGINEERING GROUP EXPERTEAM GmbH SCIENCE PARK MAASTRICHT	DK D NL
MARTIN & REA LTD Att: Mr Richard J. REA Grattan Street 8 IRL-TIPPERARY	PROJECTOPLANO S.A. EUROPEAN MARKET SPAZIO VERDE SRL AFC UNTERNEHMENSBERATUNG GmbH	P B I D
IDA-Sth East Region Att: Mr Patrick LOFTUS Cork Road IRL-WATERFORD	INDUSTRIAL DEVELOPMENT MORSO FOOD PARK AGROPARC MOTHERWELL FOODPARK	UK DK F UK

NAME AND ADDRESS OF ADVISORY BODY	PARTNER ADVISORY BODIES	
SNEDE Att: Mr. A. SEIXAS AGUIAR Av. Fontes Pereira de Melo 35 - 19 1/2, A P-1000 LISBOA	GENERAL TECHNOLOGY PROMMER CONSULTANTS PRODICAL PLANNING GROUP TEKNIK BANK TECHNOLOGY INVESTMENT	UK D E GR I F
PROJECTOPLANO, CONSULTORES ECONÓMICOS SA Att: Mr Antonio Manuel PINTO Viriato 25 - 6 1/2 P-1000 LISBOA	MARTIN & REA LTD S.A. EUROPEAN MARKET DEVELOPMENT NV SPAZIO VERDE SRL AFC UNTERNEHMENSBERATUNG	IR B I D
ISABEL JALLES ADOVGADOS Att: Mrs Isabel Jalles Av. Alvares 34 - 6 1/2 P-1200 LISBOA	OMAS MARKETING HIGH-TECH PROJECTS BV DEVELOPMENT OPTIONS LTD	GR NL UK
CATIM Att: Mr Hildebrando VASCONCELOS Rua dos Plátanos 197 P-4100 PORTO	ADOUR AUTOMATISME INSTITUTO MADRILEÑO DE TECNOLOGIA NIMTECH	F E UK
IAMPEI Att: Mr Manuel VIDIGAL Rua Rodrigo da Fonseca 73 P-1297 LISBOA CDX	ZENTRALE FÜR PRODUKTIVITÄT SAAR LANCASHIRE ENTERPRISES LTD	D UK
SERION LDA Att: Mr Luis Filipe VILLAS Avenida do oavista 1790-5 P-4100 PORTO	STUDIO TECNICO TIMIS TESCO LTD RWP GmbH	I GR D

**REGIONAL AID:****STRENGTHENING REGIONAL CAPABILITIES FOR RESEARCH, TECHNOLOGY AND INNOVATION****— THE STRIDE INITIATIVE —**

The CEC has defined draft guidelines for the new **STRIDE Programme**, the aim of which is the **strengthening of research, technology and innovation of those regions whose development is lagging behind**. It will focus on the following three main activities:

**A.** To encourage a **wider regional distribution of research capabilities**, by helping public administrations in less developed regions assess technology requirements as part of their development planning and by helping them to audit local capabilities and potentials, and to invest in the development of a long-term capability in selected areas of research, technology and innovation by improving awareness, supporting preparatory work, and by strengthening networks of cooperation within the Community.

**B.** STRIDE seeks to **improve the participation of research centres and firms in objective 1 regions** (see below) in research programmes supported by the European Community as well as other international programmes.

**C.** STRIDE encourages **co-operation between research centres and firms**, so that research carried out in the regions becomes more responsive to local needs, so that firms are stimulated to innovate.

A. and B. will concern only objective 1 regions, i.e. those whose development is lagging behind, while C. also concerns objective 2 (regions seriously affected by industrial decline).

The Commission has proposed a budget of 400 million ECU for STRIDE. It is intended that the programme will definitively be approved before the summer holidays. Being a regional programme, STRIDE will be implemented through cooperation with national authorities (cofinancing of proposals developed by the relevant authorities). There will therefore be no calls for proposals as under R&D programmes. Institutions wishing to benefit from the STRIDE Programme should contact their national institutions, which are responsible for regional policy.

**For further information, please contact:** Mr B. Spiekermann, CEC, DG XVI, 200, rue de la Loi, B-1049 Brussels, CSTM 5/42, Tel.: (32) 2 236.13.23, Fax.: (32) 2 235.01.49, or the national authorities responsible for regional policy.

## **MEMBER OF SPRINT NETWORK GETS THE GREEN LIGHT FOR A NEW FORM OF INTERNATIONAL LICENSING FAIR**

**HEATHROW AIRPORT, LONDON, 2 — 4 OCTOBER 1990**

In Issue 3/89, page 36, of I&TT, we reported that the UK Department of Trade and Industry had commissioned The Technology Exchange Ltd (a member of the SPRINT network) to explore the interest of manufacturing industry and licensors in a **new form of licensing fair which involves the advance publication of a comprehensively indexed catalogue** to enable the fair to consist of a pre-arranged series of meetings between licensors and potential licensees or their agents.

The response to this proposal has been tremendous, with 97% of replies received from this survey indicating a willingness to participate. The Technology Exchange has changed the location to the two largest hotels at Heathrow Airport. In order to reduce the cost for BC-Net and SPRINT partners offering more than ten licences, joint ventures, distribution leading to a licence or technologies seeking finance, there will be no charges levied Except for the cost of your travel and hotel accommodation.

A huge 500 page (minimum) **catalogue** will be produced containing 50-word descriptions of each of the first 5,000 offers received before 10 May. This catalogue will be published in early July. All requests for further information will be forwarded to each source so that a meeting can be arranged at your hotel during the fair. The catalogue print run, in English, will be determined by the number of pre-publication orders **received before 15 May**. Enquiries from publishers to re-print in other European languages are welcome.

**For further information write:** Brian Padgett, Managing Director, The Technology Exchange Ltd, Wrest Park, Silsoe, Bedford MK45 4HS. Telephone: 44 525 60333, Telefax: 44 525 60664.

## **JOINT NETWORKING CONFERENCE**

**15-17 May 1990, Killarney, Ireland**

This conference, jointly organised by RARE and EARN, will focus on: **Policy Issues, OSI Transaction, TCO/IP, Library Network Services, US Networking, and User Support and Documentation**: the Conference will include a major exhibition of existing end-user documentation to support network users.

**For further information, please contact:** RARE Secretariat, PO Box 41882, NL- 1009 DB Amsterdam, Tel. +31.20.592 5078, Fax. +31.20.592 5155

## SPRINT TECHNOLOGY OPPORTUNITIES

In the last few months the SPRINT Technology Transfer Networks have produced a **series of technology inventories and catalogues of technology opportunities**. Here is an overview of some of these initiatives:

### 1. INVENTORY OF TECHNOLOGY OPPORTUNITIES IN THE MADRID AREA

**This inventory can be obtained from:** Mrs Carmen Burriel Devesa, 5, Av. Prince D'Orange, UCCLE, Brussels 1180, Tel.: (32) 2 374.70.93, Fax: (32) 2 375.52.36.

### 2. SPRINTLINK — THE SPRINT NETWORK C194: GW-SAAR (D), SAGAZADE (ES), CRCI (F) AND SDA (UK)

This quarterly newsletter lists technology opportunities in the four regions involved (Saarland, the Basque Region, Région Centre and Scotland). **It can be obtained from:** Mr Jim Smith, SDA, Rowan Tree House, New House, Motherwell MLI 5RX, Scotland, Tel.: (44) 698 73.26.37, Fax: (44) 698 73.35.71.



INVENTARIO  
DE RECURSOS  
TECNOLOGICOS  
DE LA COMUNIDAD  
DE MADRID  
1989

### 3. DIRTECH DIRECTORY OF TECHNOLOGICAL OPPORTUNITIES OF THE COMMUNITY OF VALENCIA, SPAIN

This directory includes 142 technological opportunities developed in the Community of Valencia. **It can be obtained from:** Mr Fernando Palop, IMPIVA, Plaza del Ayuntamiento, 6, E-46002 Valencia.

### 4. EUROLINK

This SPRINT cooperation project involving NESDA (Aberdeen, UK), GOMOV (Ghent, B), C.R.C.I ARIST (Bordeaux, F), Asesoria Industrial (Navarra, E), and CIDEC (Lisboa, P), offers its assistance for the identification of technological collaborative projects and related activities. **The brochure can be obtained from** Mr David Ross, NESDA North East Scottish Development Agency, 8 Albyn Place, Aberdeen AB1 1YH, Scotland, Tel.: (44) 224 64.33.22, Fax: (44) 224 63.11.87

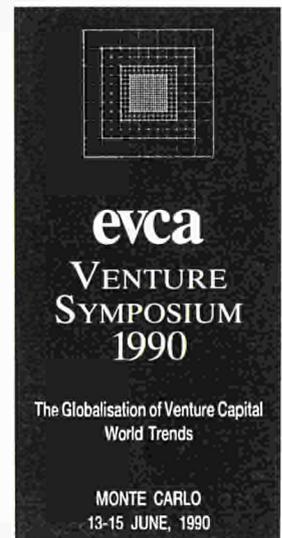
## THE GLOBALISATION OF VENTURE CAPITAL: WORLD TRENDS

### EVCA VENTURE SYMPOSIUM 1990

MONTE CARLO, 13-15 June 1990

This year EVCA VENTURE SYMPOSIUM broadens its perspective beyond the continent of Europe to examine the global competitive environment in which today's venture industry operates. **EVCA Venture Symposium 90** will offer participants valuable insights into how the venture business is developing at a global level as well as provide an opportunity for making contacts with venture capital professionals and investors from many continents. Representatives from the main industrial centres of the world both East and West, will be present at this major meeting in the South of France, June 13-15.

**For further information, please contact:** Ms Sharon Wells, EVCA, Minervastraat 6, Box 6, B-1930 ZAVENTEM-BELGIUM. Tel.: (32) 2 720.60.10, Fax.: (32) 2 725.30.36.



## EUROPEAN SEED CAPITAL NETWORK MOVES INTO ACTION

The overall objective of this pilot scheme on seed capital is to foster enterprise creation in the Community **by strengthening the financing opportunities available to new enterprises** and improving the quality and survival rate of seed-stage projects.

Further to a call for tenders, 24 seed capital projects were chosen, which should form the nucleus of a **European Seed Capital Network**. The main objective is the promotion of new businesses in the Community. The new funds are now working. The Commission does not envisage a second call for tenders in the near future. Projects requiring seed-stage financing could apply to the nearest fund. **A list of the 24 seed capital funds and further information on this scheme can be obtained from:** Mrs Alexandra Cas Grange, CEC, DG XXIII, ARLN O5/8, 200, rue de la Loi, B-1049 Brussels, Tel.: (32) 2 235.62.69, Fax: (32) 2 236.12.41.

## SPRINT COOPERATION ON STERILISATION AND ASEPTIC PACKAGING

Within the framework of the SPRINT Programme, a **symposium on advances in the sterilisation and aseptic packaging of food** was held in Valencia, Spain, on 15-17 November 1989. This symposium is one of the results of the existing cooperation between the INSTITUTO DE AGROQUÍMICA Y TECNOLOGÍA DE ALIMENTOS, IATA, in Spain, and the CAMPDEN FOOD AND DRINK RESEARCH ASSOCIATION in the UK. This project concerns the establishment of a **system for the exchange of aseptic technologies and information between member firms in Spain and the United Kingdom**. This project will be continued with a new partner: STAZIONE SPERIMENTALE PER L'INDUSTRIA DELLE CONSERVE ALIMENTARI, in Parma (I). **Further information can be obtained from:** Sr. D. R. Engvidnos, Instituto de Agroquímica y Tecnología de Alimentos (AITA), Jaime Reig, 11, E-46010 Valencia, Tel.: (34) 6 369.08.00, Fax: (34) 6 393.00.01



## TECHNICAL ASSISTANCE TO INDUSTRY TO MINIMIZE ELECTROSTATIC PROBLEMS NEW SEMINARS PLANNED

This collaborative project between Chilworth Technology (UK), ERA Technology (UK), L.C.I.E (F), L.O.M. (E), D.M.T. (D) and the University of Genoa (I) is continuing successfully (see I&TT, 2/89, page 36). Progress was reviewed at a recent meeting hosted by the Electrical Engineering Dept of the University of Genoa. The predominant individual activity is industrial problem solving, but some of the collaborators are involved in producing **training videos** on explosion and electronic failure hazards.

By far the most effective means of dissemination is through technical seminars. **Three seminars** are planned as follows:

- ESD: Southampton (UK): April 25 and 26
- General Electrostatic Problems: Madrid (E): June 12 and 13
- ESD Workshop: Gradisca, TRIESTE (I): July 5 and 6

Some of the resources will be devoted to producing a newsletter and setting up a collective database on electrostatic problems, solutions and experts. The latter, however, is clearly a long-term activity leading eventually, possibly, to a computer-based expert system.

Further information: Dr K. Davies (UK), Chilworth Technology Limited, Beta House, Chilworth Research Centre, Southampton, SO1 7 NS, England Tel: (0703) 760722, Fax (0703) 767866



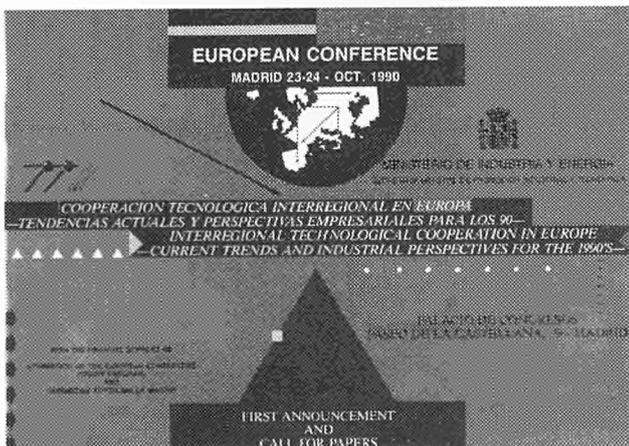
The participants in the SPRINT project

### PROGRAMME OF TII EVENTS

14-18	May	<b>Intensive Induction Seminar:</b> Technology Transfer and Innovation Advisory Techniques and Methods, Luxembourg	<input type="checkbox"/>
28-29	May	<b>Group Visit</b> to Athens, in association with the General Secretariat for Science and Technology	<input type="checkbox"/>
2-3	July	<b>Group Visit</b> to Nantes, in association with ADERET	<input type="checkbox"/>
17-18	September	<b>Group Visit</b> to Dortmund, in association with Technologie Zentrum Dortmund	<input type="checkbox"/>
1-2	October	<b>Group Visit</b> to London, in association with British Technology Group (coinciding with the International Technology Licensing Fair, Brighton, October 2-4)	<input type="checkbox"/>
23-24	October	<b>Conference:</b> Interregional Technological Co-operation in Europe: Current Trends and Industrial Perspectives for the 1990s, Madrid (see below).	<input type="checkbox"/>

Please send me further information on the events indicated — Return to TII, 3 rue des Capucins, L-1313 Luxembourg

## INTERREGIONAL TECHNOLOGICAL COOPERATION IN EUROPE — CURRENT TRENDS AND INDUSTRIAL PERSPECTIVES FOR THE 1990s —



The **conference** is being organised by the Spanish Ministry of Industry and Energy's Secretariat-General for Industrial Promotion and Technology, with the assistance of TII. It has been designed for both **policy makers and technology transfer practitioners** wanting to understand better and benefit from the increasing opportunities offered by Europe's maturing technology transfer market. The two days of the conference promise an in-depth analysis of this market. **Themes** include conceptual and empirical problems of measuring **technology flows**; the **impact of technology transfer** on regions, sectors and firms; the challenge of activating **demand for external technology** among SMEs, and the factors determining **successful technology implementation** in firms.

The **deadline for submitting abstracts** is April 20. The programme and further information can be obtained from Mr Luis Crespo, Edificio Cuzco IV, P.º de la Castellana, 141, 13º, E-28046 Madrid, Tel.: (34) 1 581.55.00, Tlx: 23121 CDTI E, Fax: (34) 1 581.55.76/84.

11-15 SEPTEMBER 1990

**THE EEC IN LARGE-SCALE PARTICIPATION AT DANISH EXHIBITION  
'1992 AND A EUROPE OF TECHNOLOGY'**

At TechTrans Centre '90 the EEC Commission will be running the largest campaign so far at a Danish exhibition. The participation will concentrate on the Single Market of 1992, particularly from the point of view of research and technology. The following Directorates-General will be at TechTrans Centre '90: DG V (education and employment) DG X (communication and culture), DG XI (environment), DG XIII (telecommunications and innovation) and DG XXIII (small and medium-sized companies), the European Investment Bank, the Secretariat-General and the Office for Official Publications.

TechTrans Centre '90 will be an international forum for exchanges of ideas between suppliers of high-technology products, new technologies and techniques, advanced processes, systems and know-how on the one side, and industrialists and technicians, producers looking for new results, licences and patents, investors, product developers and scientists, and technology and patent brokers on the other side.

Further information: Project Manager Hanne Marklund, Exhibition Centre Herning, Vardevej 1, DK-7400 Herning, phone +45 97 12 60 00, fax +45 97 22 30 60.

**TECHNOLOGY TRANSFER FAIR**

1990 PAU, 26 and 27 JUNE

The Regional Agency for Scientific information and Technology, a department of the Aquitaine Regional Chamber of Commerce and Industry, is organizing a Technology Transfer Fair on 26 and 27 June 1990 in Pau (at the École Supérieur de Commerce). This event is aimed at promoting technology transfer and helping companies to diversify, acquire new products or modern processes, research new markets, and make the most of their expertise.

Consultants and specialist organizations dealing with innovation and technology transfer will have the opportunity at this fair to have individual meetings (organized in advance) with representatives of the companies in south-western France and will thus be able to develop and promote co-operation between companies in their region or industrial sector and the small and medium-sized businesses in Aquitaine.

For further information please contact: CHAMBRE RÉGIONALE DE COMMERCE ET D'INDUSTRIE AQUITANE, Mr Jean-Lux Lamoure, 10, place de la Bourse — 33076 BORDEAUX CEDEX, Tel: 56.81.20.20, Fax: 56.44.18.61

**EDUCATION — INVENTION — INNOVATION**

May 24 - 26 1990, Saarbrücken

The objective of the congress is to build a better picture of the relationship between European tradition and economic performance, with special emphasis on the requirements of education and innovation as well as the formulation of new learning tasks in regard to this challenge. Points of emphasis for this event will be: an innovation display with valuable ideas, and working groups with subjects like: Europe in world competition, Growth factors for the new Europe, Idea — innovation — success: Questions to business and society, and Problem-solving as a learning requirement.

The centre of the event will be the 'chateau' of Saarbrücken. Further information is available from DABEL, Friedrich Ebert Allee 39, D-5300 Bonn 1, Tel.: (49) 228/5402-147

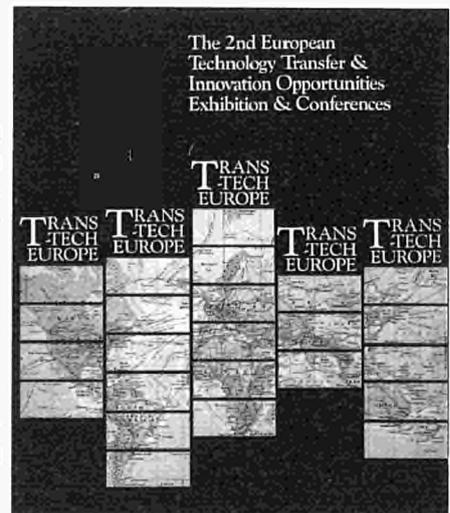
**TRANSTECH EUROPE EXHIBITION**

**STAND FOR SPRINT CONSULTANTS ENVISAGED**

The Transtech Europe Exhibition taking place in Glasgow on 22-24 May 1990 is a major exhibition supported by the CEC which will attract UK and European businesses in the field of technology transfer. The Scottish Development Agency has taken a stand at the exhibition with the intention of setting up a SPRINT Consultants' 'Clinic'.

This opportunity is aimed at consultants, especially the Scottish SPRINT contractors from the European Community countries to take part and provide specialist advice on their specific countries with a view to bringing companies together.

If you are interested in participating in the European Consultants' Clinic, further details can be obtained from Ms Helen Lee, Technology Transfer and Training Group, Scottish Development Agency, 120 Bothwell Street, Glasgow G2 7JP, Scotland.



**REGISTRATION FORM** **PATINNOVA '90 in Madrid**  
22-23 May 1990

To be typewritten and sent before 11 May 1990 to:

Mrs. María Gasca Elosegui  
OEC — Organización de Exposiciones y Congresos S.A.  
Plaza de la Encarnación 2  
E-28013 MADRID  
Tel: (34)1 247.70.42/36 Tlx: 49.515 Fax: (34)1 542.75.49

Name (Title): \_\_\_\_\_

First Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Postal Code and City: \_\_\_\_\_

Country: \_\_\_\_\_

Telephone: \_\_\_\_\_ Telex: \_\_\_\_\_ Telefax: \_\_\_\_\_

Registration Fees: ( ) Ptas. 15.000 (VAT included)  
( ) Ptas. 22.500 (VAT included)  
(including two lunches at the venue)  
( ) Accompanying persons (Ptas. 8.000, VAT included, covering admittance to the PATINNOVA '90 reception and dinner, tour 'Madrid panoramic' and a full day trip to Toledo)

( ) I enclose an Eurocheque  
( ) I enclose a certified cheque  
( ) I enclose a copy of the bankers draft .....  
( ) I enclose a copy of the bank transfer (all costs to transmitters charge)

Bank: Banco Exterior de España  
Gran Vía 73 (Agencia 3)  
E-28013 MADRID  
Bank Account Number: 30-20038-A

I will attend the following functions during PATINNOVA '90:

( ) Dinner on Tuesday, May 22, at 8.00 p.m. ( ) Visit to Escorial, May 22, (4.750 Ptas.)  
( ) Reception on Wednesday, May 23, at 6.00 p.m. ( ) Madrid Artistic, May 24 (3.000 Ptas.)

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

Payment of the fees to be effected in Spanish Pesetas. Certified cheques or copies of the bank transfer should be sent with the registration form and made available to OEC Madrid (PATINNOVA '90). Cheques should be payable to PATINNOVA '90. Please state 'PATINNOVA '90', name of participant and company /institution.

**INFORMATION OF INTEREST TO VISITORS**

**PALACIO DE CONGRESOS:** Paseo de la Castellana, 99, E-28046 Madrid, Tel.: (34) 1 455-1600/-9000, Fax: (34) 1 597.10.94

**BUSSES:** They run from 6 a.m. to 12 midnight (night service from Cibeles Square, with busses running every 30 minutes between 12 p.m. and 2 a.m. and every hour between 2 a.m. and 6 a.m.).

**UNDERGROUND (METRO):** It runs from 6 a.m. to 1.20 a.m.

**IBERIA. SPANISH AIRLINES:** Information: 411.25.45  
**RENFE. SPANISH RAILWAYS:** Information: 733.30.00 and 314.10.00  
**POSTAL TELEGRAPH AND TELEPHONE SERVICES:** The main post office is on Cibeles Square.

**ACCOMPANYING PERSONS PROGRAMME**

The fee of 8.000 Ptas for the accompanying persons programme comprises the participation in the social events of PATINNOVA '90 (dinner on 22nd May and reception on 23rd May), a Madrid panoramic tour in the morning of 22nd May and a full day trip to Toledo on 23rd May (lunch included).

In addition the following tours can be booked:

**22nd May 1990**

**1. ESCORIAL — VALLE DE LOS CAIDOS** (Afternoon)

The ESCORIAL is situated 50 kms from Madrid. It is worth a visit to its church, Royal Palace and Pantheon of the Spanish Kings. In the 'Valley of Fallen', the church is carved in the rock and it is considered as the longest in the World.

Ptas. 4.750/person (lunch at the Escorial included)

**24rd May 1990**

**2. MADRID ARTISTIC** (participants and accompanying persons)

A drive through the streets in town: Mayor St., Puerta del Sol, Carera de San Jerónimo, Parlament Sq. and Neptunno, arriving at the Prado Museum, one of the most important art Galleries in the World. The second part of the visit goes to the residence of the Spanish Kings, where a visit will be paid to its world famous tapestry and ceramic collection.

Ptas. 3.000/person

Prices based on groups of at least 20 persons. For further tours/visits, please contact OEC (see address above).

**REDUCED FLIGHT FARES FOR PATINNOVA PARTICIPANTS**

IBERIA is offering all PATINNOVA participants a return ticket to Madrid at a considerably reduced fare (tourist class ticket without any conditions). This offer is valid for departures from all airports served by IBERIA.

The tickets can only be obtained from M. Patrick VERMER, Wagons-lits Tours, 29 avenue de Cortenberg, BP 124, B-1040 Bruxelles 4, Tel.: (32) 2.230.37.31/44, Telex 63620, Fax (32) 2.230.37.31/44.

HOTEL BOOKING FORM		PATINNOVA '90, Madrid, 22 — 23 May 1990			
Hotel accommodation at reduced rates can be reserved in the following hotels: Ptas/per night/person					
	location*	stars	single	double	triple
Hotel Rex	2	***	9.600	6.175	
Hotel Capitol	2	***	9.650	6.250	
Hotel Washington	2	***	9.650	6.250	
Hotel Menfis	2	****	11.900	7.700	
Hotel Melia Castilla	1	*****	20.300	13.100	
Hotel Asturias	2	***	5.100	3.350	2.950
Hotel Centro Norte	1	***	7.050	4.615	4.100
* 1: Hotel located near the Palacio de Congresos; 2: Hotel located in the city center					
Please print	Ms./Prof./Dr./Mr.				
	Family Name _____		First name(s) _____		
	Company/Institute _____				
	Business Address _____				
	Postal Code and City _____				
Country _____					
Telephone _____		Telex _____	Telefax _____		
Return this hotel form before 1 May 1990 to:	<b>Arrival and departure</b>	Date of arrival in Madrid ..... May 1990	Date of Departure from Madrid ..... May 1990		
Viajes Marsans Carrera de San Jerónimo 15 E-28014 Madrid	<b>Rooms</b>	Please make the following reservation:			
	<input type="checkbox"/> Triple				
	<input type="checkbox"/> Double				
	<input type="checkbox"/> Single				
	Preferred Hotel: _____				
After 1 May 1990 requests will be accepted, but hotel accommodation cannot be guaranteed	<b>Remarks</b> _____				
No rooms can be confirmed until your hotel deposit/Credit Card guarantee has been received.	<b>Deposit</b>	A guarantee via Credit Card, a cheque made out to Viajes Marsan Services or a deposit of 15.000 Ptas per room is required.			
Payment should be made in Pesetas (Ptas) only. All costs to transmitter's charge.	<b>Payment</b>	The above amount is:			
	<input type="checkbox"/> remitted by enclosed cheque payable to Viajes Marsans (personal cheques cannot be accepted).				
	<input type="checkbox"/> remitted by enclosed Eurocheque				
	<input type="checkbox"/> remitted to Viajes Marsans, account no. 50-03162-84 with Banco Popular, c/ Alcalá 26, ref.: PN '90, Mr/Ms _____				
	<input type="checkbox"/> guaranteed by Credit Card, following details are required: Type of Credit Card: AMEX/Diners/Eurocard/Master/Access/				
	This is a company/private Card on the name of				
	Mr/Ms _____				
	Company name _____				
	Card number _____				
	Expiry date _____				
Refunds, minus administration costs, will be dealt with after the conference.	<b>Cancellation</b>	Notification of cancellation should be sent to Viajes Marsans. For cancellations received before 1 May 1990, administration costs of 50 % per room will be charged. For cancellations received after 15 May 1990, no refund is possible.			
	Date _____	Signature _____			

**PATINNOVA '90**

MADRID

**1<sup>st</sup> EUROPEAN CONFERENCE ON PATENT AND INNOVATION**

**PROGRAMME**

Madrid, 22 - 23 May 1990, Palacio de Congresos

**— STRATEGIES FOR THE PROTECTION OF INNOVATION —**

**Economic Implications of Patent Rights**

**National and International Protection of Innovation**

**Patent Strategies: Success for Firms**

**Beyond Academics — Innovation as a New Task**

**Patent Licensing: A New Marketing Approach**

**New Challenges for Patent Attorneys**

**Patent Disputes in and out of Court**



Commission  
of the European Communities  
Directorate — General XIII-C  
(SPRINT Programme)



Ifo-Institute  
for Economic Research  
München

## PROGRAMME

Tuesday 22 May 1990

### Session I: OPENING OF THE CONGRESS (9.00 — 10.30)

**Chairman:** D. CLAUDIO ARANZADI, Minister of Industry and Energy (ES)  
(to be confirmed)

#### 1. Welcoming speech

D. CLAUDIO ARANZADI, Minister of Industry and Energy (ES) (to be confirmed)

#### 2. The relevance of patent protection to the Commission's work on industrial and innovation policy in the run-up to the Single Market in 1992

VICENTE PARAJON COLLADA, Deputy Director-General, Directorate-General Telecommunications, Information Industries and Innovation, CEC

#### 3. Opening address: The implications of patent rights for corporate innovation policies in the future European Single Market

KARL HEINRICH OPPENLÄNDER, Professor, President, IFO-Institute for Economic Research, Munich (DE)

### Session II: NATIONAL AND INTERNATIONAL PROTECTION OF INNOVATION (11.00 — 13.30)

**Chairman:** JULIO DELICADO MONTERO-RIOS, Director-General of the Registro de la Propiedad Industrial, Madrid (ES)

#### 1. Present and future role of the European patent system

PAUL BRAENDLI, President of the European Patent Office, Munich (DE)

#### 2. Promotion of innovation: A new direction for national patent offices

PER LUND THOFT, Director-General of the Danish Patent Office, Taastrup (DK)

#### 3. Aspects of the worldwide WIPO activities (World Intellectual Property Organisation)

ALFONS SCHÄFFERS, Deputy Director-General, WIPO, Geneva (CH)

#### 4. Expectations of international and national patent offices: A user's view

HEINZ BARDEHLE, Patent Attorney, Bardehle-Pagenberg-Dost-Altenburg & Partner, Munich (DE)

----- Lunch: 13.30 — 15.30 -----

### Session III: STRATEGIES FOR PROTECTION OF INNOVATION (15.30 — 18.00)

**Chairwoman:** LENA TSIPOURI, University of Athens (GR)

#### 1. Successful strategies for small firms

ROBERT KREIKENBOHM, Director of Stiebel Eltron, Holzminden (DE)

#### 2. Strategies for protection of innovations, the case of a research-intensive multinational corporation

JEAN-PIERRE HERMANS, Director of the Departement Propriété industrielle et information-documentation de la Société Solvay & Cie, Brussels (BE)

#### 3. The entrepreneur as inventor or the inventor as entrepreneur

RUMOLDUS JOHANNES M. PAIJENS, Former President, Nederlandsche Apparaten Fabriek, NEDAP N.V., Groenlo (NL)

#### 4. Public research institutes: Beyond academics — innovation as a new task

PIERRE VERGNON, Director of Exploitation, CNRS, Centre National de la Recherche Scientifique (FR)

----- Dinner -----

*(Invitation of the European Patent Office, the Spanish Patent Office and the Commission of the European Communities)*

## Wednesday 23 May 1990

### Session IV: CURRENT ISSUES IN PATENT LICENSING (9.00 — 11.00)

**Chairman:** HANS ULLRICH, Professor, Federal University of Munich (DE)

#### 1. Transnational Licensing: Competition issues

JACQUES AZEMA, Agregé des Facultés de Droit, Professeur à l'Université Jean Moulin (FR)

#### 2. Transnational Licensing: Company strategies

STEFANO SANDRI, President, Licensing Executives Society (LES) — Italy, Rome (IT)

#### 3. Licence Selling and Buying: The viewpoint of a small firm

KIERAN COMERFORD, Comerford Technology Management Ltd., Dublin (IE)

#### 4. Licensing in and out from the viewpoint of a large company

PAOLO SANI, Patent, Trademark and Licensing Counsel, Fiat, Turin (IT)

#### 5. Technology marketing by research institutes

ANTONIO CORTES ARROYO, Head of Oficina de Transferencia de Tecnología (OTT) del Plan Nacional de I&D, Madrid (ES)

### Session V: PATENT ATTORNEYS AND OTHER CONSULTANTS IN A SINGLE TECHNOLOGY MARKET: NEW CHALLENGES (11.30 — 13.30)

**Chairman:** ANTONIO DE CARJAVAL SALIDO, Director-General, Centro para el Desarrollo Tecnológico Industrial (CDTI), Madrid (ES)

#### 1. Patent Attorneys' response to international and European patent systems

MICHEL MONCHENY, Patent Attorney, Paris (FR)

#### 2. The challenge of protecting biotechnology, software and other new technologies

ALBERTO BERCOVITZ, Professor of Commercial Law, Attorney, Universidad Nacional a Distancia (UNED), Madrid (ES)

#### 3. Patent Attorneys' response to the demand of innovation consultancy services

HERMAN MULDER, Octrooibureau Van der Lely N.V., Maasland (NL)

#### 4. New challenges to academic research

ROBERT D. HANDSCOMBE, Director, Commercial and Industrial Development Bureau, University of Sheffield (GB)

----- Lunch: 13.30 — 15.30 -----

### Session VI: PATENT DISPUTES IN AND OUT OF COURT (15.30 — 17.00)

**Chairman:** HENNING BANK, Head of the Patent Section, DG XIII, CEC

#### 1. Costs and risks of patent disputes and methods of conciliation

ANDRE BOUJU, Professor at the CEIPI, Strasbourg (FR), and Patent Attorney

#### 2. Experience of patent litigation in selected Community Member States

DIETER STAUDER, MPI — Max-Planck-Institut für ausländisches und internationales Patent-, Urheber- und Wettbewerbsrecht, Munich (DE)

#### 3. Possibilities and limitations of insurance cover for patent disputes

BRIAN J. D. RAINCOCK, Managing Director of the Legal Protection Group Limited, Surrey (GB)

### Closing Session VII: CONCLUSIONS

**Chairman:** EUGENIO TRIANA, Secretary-General for Technology and Industrial Innovation, Ministry of Industry and Energy (ES)

#### 1. Conclusions of PATINNOVA '90

ALBERT S. STRUB, Director for Exploitation of Research, Technological Development, Technology Transfer and Innovation DG XIII-C, CEC

#### 2. Invitation to the next conference on patents and innovation

JOSE MOTA MAIA, President of the Portuguese Patent Office, (INPI), Lisbon (PT)

## CLOSING STATEMENT

FERNANDO PANIZO, Deputy Minister of Industry and Energy (ES)

## GENERAL INFORMATION

### PATINNOVA '90 Secretariat of the CEC

Dr. A. von Witzleben, CEC, DG XIII-C, JMO B4/091, L-2920 Luxembourg, Tel.: (352) 4301-3351/-3169, Fax: (352) 4301-4129/-4544

### Secretarial Office

ORGANIZACION DE EXPOSICIONES Y CONGRESOS S.A., OEC S.A., Plaza de la Encarnación N°2 — 2º, E-28013 Madrid, Tel.: (34) 1 247.70-42/-36, Fax.: (34) 1 542.75.49

### Scientific Secretariat

Dr U. Täger, IFO — Institute Munich, Poschinger Strasse 5, D-8000 München 86, Tel.: (49) 89 92.24-0/-345/-342/-300, Tlx.: 522.269, Fax.: (49) 89 985.369

### Organizational Assistance

Helena de Medem, María Gasca, OEC S.A.

### Meeting Press Officers

Carlos Martínez Massa, OEC S.A.  
Monika Queisser, IFO, Tel.: (49) 89 92.24-0

### Accommodation

For all inquiries concerning accommodation please contact: Viajes Marsans, Carrera de San Jerónimo 15, E-28014 Madrid, Tel.: (34) 1 42.97.284, Tlx.: 42.483, Fax: (34) 1 42.95.796

### Conference Registration

Please return the registration form (one copy per participant) together with a cheque for registration fee(s) or a copy of the bank transfer as soon as possible but not later than 11 May 1990. Upon receipt of the registration form, participants will receive a congress confirmation letter. After payment and upon presentation of this letter at the conference office, participants will receive their congress documents and badge. Registration forms should be sent to:

Mrs María Gasca, OEC (see address above)

### Registration Fees

Nº. 1: Ptas. 15.000 (TVA included)  
Nº. 2: Ptas. 22.500 (TVA included)

Fee Nº. 1 covers:  
— admittance to the reception on Wednesday, 23 May  
— admittance to the dinner on Tuesday, 22 May  
— coffee and tea during the breaks indicated in the programme.  
— various conference documents.

Fee Nº. 2 covers the same package as Nº. 1 plus two lunches at the conference venue.

Simultaneous translation from and into English, French, German, Italian, Portuguese and Spanish is provided.

## ORDER FORM FOR "INNOVATION AND TECHNOLOGY TRANSFER" ('I & TT')

"Innovation and Technology Transfer" is published by DG XIII-C of the Commission of the European Communities and reports regularly on the Community's R&D policy under the RTD Framework Programme, new research results originating from the CEC Joint Research Centre and the implementation of the SPRINT Programme and related matters.

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To be returned to Mr Alexander von Witzleben, CEC, DG XIII/C/1, B4/091, JMO, L-2920 Luxembourg.

### THE CEC-REPRESENTATIONS IN THE MEMBER STATES — PRESS AND INFORMATION OFFICES —

**Germany**

Zitelmannstraße 22  
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Tel.: 53 00 90  
Tlx.: 886648 EUROP D  
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**Belgium**

Rue Archimède 73, 1040 Bruxelles  
Archimedesstraat 73, 1040 Brussel  
Tel.: 235 38 44  
Tlx.: 26657 COMINF B  
Fax: 235 01 66

**Denmark**

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Postbox 144  
1004 København K  
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Tlx.: 16402 COMEUR DK  
Fax: 11 12 03

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Calle de Serrano 41  
5<sup>a</sup> planta  
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Tlx.: 46818 OIPE E  
Fax: 276 03 87

**France**

61, rue des Belles-Feuilles  
75782 Paris CEDEX 16  
Tel.: 45 01 58 85  
Tlx.: Paris 611019 F COMEUR  
Fax: 47 27 26 07

**Greece**

2 Vassilissis Sofias  
Case postale 11002  
Athina 10674  
Tel.: 724 39 82 (3 lignes)  
Tlx.: 219324 ECAT GR  
Fax: 724 46 20

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39 Molesworth Street  
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**Luxembourg**

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Rue Alcide De Gasperi  
2920 Luxembourg  
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**Netherlands**

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2513 AB Den Haag  
Tel.: 46 93 26  
Tlx.: 31094 EURCO NL  
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**Portugal**

Centro Europeu Jean Monnet  
Largo Jean Monnet 1-10<sup>D</sup>  
1200 Lisboa  
Tel.: 154 11 44  
Tlx.: 0404/18810 COMEUR P  
Fax: 155 43 97

**United Kingdom**

Jean Monnet House  
8, Storey's Gate  
London SW1 P 3 AT  
Tel.: 222 81 22  
Tlx.: 23208 EURUK G  
Fax: 222 09 00/222 81 20

Under the SPRINT Programme the Commission is promoting the **Europeanisation of conferences on new technologies**. Here is an overview of some of the forthcoming conferences:

Date	Title	Venue	Organizer	See page or contact
2-9.5.1990	University Research Marketing at Fairs	Hannover (D)	INFOBRIEF Luxembourg S.à.r.l., Walferdange (L)	29
11.5.90	Einführungsstrategien zur CIM-Implementierung in den KMU	Luxembourg	Chambre des Métiers du Grand Duché de Luxembourg	Mr M. Brachmond rue Glesener 41 L-1631 Luxembourg
10-11.5.1990	Bois et Productique: Quel Futur?	Paris (F)	Centre Technique du Bois et de l'Ameublement	Mr Vergnaud, CTBA, 10, av. de Saint-Mandé, F-75012 Paris
24-26.5.90	Conférence Européenne sur l'Invention et l'Innovation	Sarrebruck/Metz	FNAFI Féd. Nat. des Assoc. Françaises d'inventeurs	46
27.5.90	Integrated Decision Support Systems in Agriculture — Successful Practical Applications	Frankfurt	Deutsche Landwirtschafts-Gesellschaft e.V.	39
05.6.90	Séminaires techniques: Innovation et Technology	Barcelona	Institut Catala de Tecnologia	Mr M. Barcelo Pl R. Berenguer 1 E-08002 Barcelona
11.6.90	Europäische Umwelttage '90 — Biotechnologie für den Umweltschutz	Aachen (D)	Zenith GmbH	Mr U. Krahn Dohne 54 D-4300 Mülheim an der Ruhr
11.6.90	Pegasus (day-to-day support for middle management)	Groningen	Noordelijk Centrum voor Technology Innovatie	Mr Van Hoeve Petrus Driessenstraat 3a NL-9714 Groningen
12.6.90	Quick Response in Footwear	Athens	Hellenic Leather Center S.A.	EL.KE.DE Thisseos 7a GR-17676 Kallithea
21-22.6.1990	Actuator '90	Bremen (D)	VDI/VDE, Bremen (D)	48
5-8.11.1990	A European conference on the advancement of rehabilitation technology	Maastricht (NL)	Institute for Rehabilitation Research, Hoensbroek (NL)	31

Further information on the above-mentioned conferences can be obtained from the addresses indicated above. Further information on the SPRINT scheme for the Europeanization of technology transfer conferences can be obtained on written request from Mr J.R. Tiscar, C.E.C., DG XIII/C/1, B4/102, JMO, L-2920 Luxembourg Tlx: 3423/3446 Fax: 352-4301-4129/4544

## ACTUATOR 90

The second International Technology-Transfer Congress ACTUATOR 90 will take place on 21/22 June 1990 in Bremen, West Germany. ACTUATOR 90 is a biennial conference aiming at bringing together leading experts in the field of actuators from all over the European community.

### New actuators

- o Magnetostrictive actuators
- o Piezoelectric actuators
- o New materials
- o Electrorheological devices
- o New actuator concepts

### Power semiconductors

- o Smart power devices
- o Electrical noise (EMC)
- o Bipolar power semiconductors
- o MOS-controlled power semiconductors

### Fluid-technique

- o Drive systems
- o Interfaces
- o Sensors
- o Fluids

### Electromechanical converters

- o Microelectronic controlling
- o Closed loop drives
- o Interfaces
- o Stepper and linear drives

Please obtain further information from: **VDI/VDE-Technologiezentrum, Informationstechnik GmbH**, Office Bremen, Am Wall 119, 2800 Bremen 1, Tel. 0421/170531, Fax: 0421/171686