IFIP newsletter
International Federation for Information Processing

Editor:
Dr. Jack L. Rosenfeld

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NEWS OF IFIP CONGRESS '92

The call is out, and papers submitted for IFIP Congress '92 are due 10 January 1992. This is a departure from prior practice, in which the papers were due in November of the year before the Congress. The due date was advanced to permit authors to include the latest possible material in their papers; however, it stretches to the limit the abilities of the International Program Committee, paper referees, editors, and publisher to deliver the Congress proceedings to the site of the Congress on time.

The following quotation is taken from Call for Papers:

> Please send six copies of your full paper, to be received by the appropriate subcommittee chairman no later than January 10, 1992. If your paper might be relevant for more than one stream or subconference, please indicate this.
>
> The paper must be written in English in an easily-readable format; it should be no longer than 4500 words (or smaller, if it includes pictures, tables, etc.). Its cover page

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IFIP, ITS REGIONAL MEMBERS, AND DEVELOPING COUNTRIES

Major Discussion Held at Council

In 1982, IFIP admitted its first regional Full Member, SEARCC (South East Asia Regional Computer Confederation). The concept of regional Full Member had been incorporated in the IFIP statutes in 1980 in the following statement:

> Organizations or institutions representing a cooperating group of at least four countries in the field of Information Processing on a regional basis may become a Full Member. Full Member countries may belong to such a regional group, but should not exceed a quarter of the membership of the group at the time of admission.

IFIP has encouraged such regional groups. The other regional Members are CLEI (Centro Latinoamericano de Estudios Informatica) and WARCS (West African Regional Computer Society), approved for admission to IFIP in 1984 and 1988, respectively. At present, the Central and Southern Africa Regional Computer Confederation (CSARCC) is forming and may eventually apply for membership in IFIP.

Regional Membership was designed to give nations with insufficient funds to support Full Membership in IFIP the opportunity to participate. (The major expenses are travel funds for General Assembly representatives and Technical Committee [TC] members.) In this manner, they could share a vote in IFIP, receive IFIP publications, have members in some TCs, and be part of the global IFIP network. Although a person may belong to a Working Group (WG) even if his or her country is not associated with IFIP, belonging to a regional Member helps smaller nations to be aware of the work done in IFIP's WGs and nominate members. Also, it is easier for IFIP to hold technical events in Member nations. A secondary benefit of the regional groupings is that they enable their members to meet to discuss mutual problems and to assist each other.

What More Can IFIP Do?

IFIP has always been concerned with providing assistance to developing countries, and this concern was recently

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COUNCIL MEETS IN BARCELONA

The IFIP Council met 6-8 March in Barcelona and, along with more routine matters, concentrated upon new IFIP activities and how IFIP might best serve its regional Members.

In welcoming the Council to Spain, Prof. *Antonio Vaquero,* president of FESI, the Spanish Member of IFIP, noted that Spain was one of the 13 founding Members of IFIP, and Madrid was the site of a Council meeting in 1967. Spain remains an active IFIP Member and looks forward to hosting IFIP Congress '92 in Madrid. In his reply, *Acad.* Blagovest *Sendov (BG),* IFIP's president, observed that Spain will also be host to the Olympic Games in 1992. He pointed out that today the Olympics cannot be held without information processing support, but information processing can survive without the Olympics.

The Technical Assembly (TA) plays a major role in IFIP these days. At this Council meeting, virtually all the significant discussions and decisions related to IFIP's technical activities were made at the TA (which met the day before the Council began). Furthermore, there is little redundancy in the discussions at the TA and Council.

New Activities

Several new activities were discussed. A task force on microprocessor cards (smart cards) was established by the TA to initiate IFIP activity in this area and plan how **IFIP** should organize future activities. (We plan an article on smart cards in a future ***IFIP** Newsletter.)*

The chairmen of the three newest technical areas in **IFIP** were present at the TA and reported. good progress in organizing their activities. The Technical Committee on Artificial Intelligence (TC12) has produced its first book, *Future Directions in Artificial Intelligence,* which contains the papers presented at the founding workshop of TC12. The first TC12 meeting will be held in Belgium in June 1991. There has been some opposition to TC12 from the established AI community, so TC 12 is being careful to select new areas of research and to enter only those fields that can benefit from the international community of scholars that **IFIP** can attract. The group of experts that formed the Specialist Group from which TC12 was formed have remained involved and will serve as a Scientific Advisory Group to TC12. At the request of Prof. *Robert Meersman (NL),* TC12's chairman, the TA passed the following motion, approved by Council, which will permit any TC to form a similar Advisory Group:

> The chairman of a Technical Committee may formally appoint members of an Advisory Group of recognized experts as a source of specialist advice to the TC. Such appointments will be made on the recommendation of the members of the Advisory Group. No restriction is placed on the number, affiliation, or nationality of these experts. Members of such an Advisory Group will be listed in the *Information Bulletin.*

"INTERACT '90," the first conference held by TC13 (Human-Computer Interaction), was very successful, attracting over 570 participants from 29 nations. The proceedings contain nearly 1100 pages. (Two prior INTERACT conferences were organized by Prof. *Brian Shackel* (GB), TC13 chairman, before the formation of TC13.) The formation of TC13's first Working Group, on Education in HCI and HCI Curriculum (WG13.1), was approved by the TA. (The Scopes and Aims will be printed in the September *Newsletter.)*

TC6 on Data Communication reported its plans to initiate new activity concerned with broadband communication (=J50-2400 megabits/sec). TC2 on Software: Theory and Practice reported that it plans three state-of-the-art seminars in Brazil, India, and Thailand in 1992. TC5 is searching for members for a WG planned on "Technology for the Environment," and a "Call for Members" has been issued (which will be printed in the September *Newsletter).*

Congresses

Five Congresses received attention from Council. The financial aspects of Congresses '86 and '89 were discussed (as reported on page 5). Major reports on Congress '92 were presented (see the article on page 1). President Sendov announced the appointment of Prof. *A. Nico Habermann* (USA) as chairman of the International Program Committee of Congress '94, which will be held in Hamburg 29 August-2 September 1994. Finally, bids to hold Congress '96 have been received from Austria/Hungary, Australia, and China (received at the end of March). The sites proposed are Vienna and then Budapest, Canberra, and Beijing. The 1991 General Assembly in Zimbabwe in September will decide upon the venue.

Continuing Activities

Mr. Aage Melbye *(DK),* chairman of the Activity Management Board (AMB), reported that the database is being updated continually, and many useful reports are being generated. The 6-Year Plan, for example, is now produced in a more informative format. It is hoped that most of the routine work now being performed by *Dr. Peter Falster (DK),* the Activity Secretary, will eventually be done by the **IFIP** Secretariat. Approval was given for 63 events in 1990, and 61 events have been approved for 1991 so far.

The **IFIP** publications received due attention. Thirty-six books will have been published by Elsevier/North-Holland by the end of the present annual report-

ing cycle on 30 June 1991. The new ***IFIP** Transactions* are described on page 5.

Long discussions were held in the TA and in Council concerning how **IFIP** can best serve its regional Full Members. Several steps are being taken. This issue is covered in an article on page 1.

Teleconferencing

Dr. Ronald Uhlig (USA), TC6 chairman and representative of the International Council for Computer Communication (ICCC), suggested to TA that teleconferencing might be used to make it possible to hold meetings that would not be feasible otherwise, due to economic or time considerations. The TA listened to an impromptu lecture on teleconferencing by *Dr. Uhlig*. Basically, teleconferencing permits participants at diverse locations to be interconnected in a single telephone conversation. It requires a teleconferencing device and sufficient telephone connections at some location, and all participants must initiate telephone calls to that location. The advantage is the savings in travel time and expenses; the disadvantages are those associated with the different time zones in which participants are located and the cost of the equipment and the telephone calls involved. Because the **IFIP** Secretariat does not have the necessary telephone connections, it would not be possible to provide teleconferencing there. *Dr. Uhlig* offered **IFIP** the use of the teleconferencing facilities of his company (Northern Telecom) for a **limited** trial.

TC Reviews

The TC review process is intended to evaluate the TCs and advise them how best to achieve their missions. In recent years, the reviews have taken more time to complete than is desirable, so the TA modified the review procedure. From now on, a review will be initiated whenever a new chairman is appointed to a TC, and the review committee will comprise the new chairman and the TC's Cognizant Officer. The scope of the review has not been changed, however.

Not all the **IFIP** activities are successful, and in addition to the time spent planning new activities, a significant amount of time is spent in analyzing **IFIP's** failures. TC 11 on Security and Protection in Information Processing Systems had both good news and bad news to report. The good news is that WG11.3 on Database Security continues to be the world leader in this area of technology. The WG11.3 meetings are true working conferences at which books are produced, and these books are the most highly cited of all publications in this field. The bad news is that the other TC11 WGs are doing poorly, and TC11 requires restructuring. The lesson learned from TC1 1 's experience is the importance of having a sizeable nucleus of active people to form a successful WG; one or two people do not suffice to recruit a satisfactory membership.

The financial picture for 1990 was good; however, there are concerns for 1991 and 1992. These matters are discussed on page 5.

Membership Changes

Several membership changes were reported to Council:

• Yugoslavia is now a Corresponding Member.

• Because of the difficulty New Zealand had in supporting the travel of its General Assembly (GA) representative and TC members, it requested to change from Full Member to Corresponding Member status. This will be considered by the 1991 GA.

• Cuba, which has not paid its dues since 1987, indicated that it wishes to settle its outstanding dues and retain its Full Member status, which expired at the end of 1990.

• The American Federation of Information Processing Societies, the Full Member society of the U.S.A., has now been dissolved. (See the article on page 5 of the December 1990 ***IFIP** Newsletter.)* *Mr. Howard Funk, its* GA representative and an **IFIP** trustee, reported to Council that the Computer Society of the Institute of Electrical and Electronics Engineers (IEEE) and the Association for Computing Machinery (ACM) plan to form the Federation on Computing U.S. (FOCUS), whose sole function is to be the U.S. Full Member of **IFIP.** Once FOCUS is formed, it will apply for the **IFIP** membership previously held by AFIPS. In the meantime, *Mr. Funk* is acting as the U.S. representative.

• There is now a single German Full Member society, Gesellschaft fur Informatik (GI), represented by *Prof. Wilfried Brauer.* Council agreed that in those TCs in which there are two German representatives, the two would hold a single vote, and only one representative would be allowed after 1991.

Other actions taken by Council include the following:

• The Marketing Committee (MC) will prepare press releases following Council

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IFIP NEWSLETTER

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The Secretariat can also answer inquiries about **IFIP.**

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Kindly submit material for the *Newsletter* three months before the publication date.

Please send the following **IFIP** information directly to the Secretariat: announcements of conferences, workshops, and other meetings; calls for papers; appointments to committees and other positions; and changes of address. The Secretariat is the clearinghouse for all such information; it will forward it to the *Newsletter.*

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WG2.4 HOLDS 25TH MEETING

*by Prof Judy Bishop (ZA) **

(helped by Prof. Uwe Kastens [D] and Prof. Wolfgang Hoyer WI)

IFIP's Working Group on Systems Programming Languages (WG2.4) held its 25th meeting in Grassau, near Munich, in January 1991. Sixteen members and 25 observers from 15 countries attended. ***Prof. Uwe Kas*** tens ***(D),*** the new chairman, presented the outgoing chairman, Prof. ***William Waite (USA),*** with a book on the history of flying. (Prof. ***Waite*** has his own plane and often flies himself to meetings.)

The group first met at Trondheim, Norway in 1974 and has met at 9-month intervals, more or less, ever since. Membership currently stands at 34. Although there is the usual turnover of members, five of the current members were at the first meeting, and ***Prof. Gerhard*** Goos ***(D),*** has attended all but two meetings.

The group has endeavoured to maintain a good representation from industry and actively encourages participation from Central European and Third World countries. At the 25th meeting, there were representatives from Latvia, Bulgaria, Poland, Czechoslovakia, Yugoslavia and South Africa. Following a meeting in Victoria, British Columbia, in September 1991, the group will meet in Madrid in 1992.

The main interests of the group are language development, compilation, and applications of software engineering, with a strong emphasis on distributed and parallel computing. In the 1970s, the group played a significant role in the planning and design of the Ada programming language and is probably still the WG where Ada is most visible. Members of the WG have been active in the development and promotion of attribute grammars and compiler-writing tools in general. Concern for technology transfer and models for large-scale software development has led to work on user interfaces — particularly of graphical interfaces — and formal specification as a practical method of communication between engineers and customers. Attention is now turning to mixed paradigms of programming, with the aim of drawing the best properties out of existing imperative, logical, functional and declarative languages, to achieve a common goal.

Those interested in attending a meeting of the group should contact their **IFIP** TC2 member or the chairman,

Prof. U. Kastens
Fachbereich 17
Universitat Paderborn
D-4790 Paderborn, Germany ■

* member of WG2.4 and past member of TC2

COUNCIL MEETS continued from p. 3

and GA meetings, or whenever IFIP activities call for them. ***Mr. Grant Boyd (CDN),*** formerly active in IFIP, will serve as Press Officer, with the primary responsibility for seeing that the press releases appear in the trade press and national press of **IFIP** nations.

• The MC will also investigate the possibility of contracts between **IFIP** and major credit card companies, so that participants in **IFIP** conferences may be able to pay their fees by credit card.

• The editor of the ***IFIP*** *Newsletter* reported that the TC6 summary that appeared on pages 6 and 7 of the March 1991 *Newsletter* was the first of a series that will eventually describe all the TCs. Each TC summary will be printed on a single sheet of paper and will be used to satisfy requests for information about **IFIP.** Individual TCs may use their summaries to prepare brochures describing their TCs. The *Newsletter* editor also stated that if there is an interest in having soft copy of the *Newsletter,* it would be possible to arrange.

• ***Dr. Alan Bridges*** (GB), representative of Affiliate Member FACE (International Federation of Associations of Computer Users in Engineering, Architecture and Related Fields), reported that FACE receives much benefit from its involvement with **IFIP,** especially in the areas of standards for data exchange and security. FACE would like to help IFIP in its environmental studies.

• Mr. ***Graham Morris (GB),*** **IFIP** vice-president, reported that he had edited all the existing TC Scopes and Aims, in an attempt to standardize their format, make them more understandable, and make them correct grammatically. The revisions were given to the TC chairmen for their approval.

• It was reported that the draft **IFIP** Code of Ethics is being printed by TC9 and will be discussed at **IFIP** Congress '92.

• WG10.1 on System Concepts and Characteristics has been disbanded.

• Council voted to recommend to the GA that the **IFIP** Committee for International Liaison (ICIL) be dissolved.

President Sendov closed the Council with many thanks to the ATI (Asociación de Técnicos de Informática, a member of FESI) for its excellent support of the Council meeting and its gracious hospitality. Prof. ***Angel Alvarez - Rodriguez,*** **IFIP** trustee and Spain's representative to the GA, was also singled out for his invaluable efforts.

Those Council participants who remained in Barcelona after the meetings and joined a sight-seeing excursion arranged by ATI had the unique experience of a personal greeting by the abbot of the ancient Poblet Monastery. Also, a "human tower" team, whose captain is a member of a FESI society, performed for the group — culminating with the **IFIP** flag being waved from the top of a 5-story column. ■

Editor's New E-mail Address

Please note that the Internet e-mail address of the ***IFIP*** *Newsletter* editor has been changed. The new address is

rosenj@watson.ibm.com

NEWS FROM THE PUBLICATIONS COMMITTEE

IFIP Transactions to Debut in January

The most important announcement by the **IFIP** Publications Committee (PC) at the Council meeting in March was that the first issue of the ***IFIP Transactions*** will be published next January. The new contract with the primary **IFIP** publisher, Elsevier/North-Holland, takes effect 1 July this year, and the major new feature of the contract is the *Transactions. Prof. Alex Verrijn-Stuart* (NL), PC chairman, noted that beginning next January, all **IFIP** conference proceedings (and some other books) will be issues of one serial publication, the ***IFIP Transactions.*** The publisher plans to publish an annual index as a separate issue. The complete series may be purchased for an annual subscription fee, or individual books may be purchased, as before. At present, the publisher plans to make two sub-series available (the proceedings of TC5 and TC6 conferences). The books will be bound with high-quality soft covers. Subscribers to the complete *Transactions* series will pay a special, low price, and members of **IFIP** Member societies who purchase individual books will be entitled to the 50% **IFIP** discount.

Advantages of New Format

Among the advantages of this change are that the **IFIP** proceedings will be available to subscribers (mostly libraries) immediately upon publication, rather than months later; IFIP's name will be more closely associated with its conference proceedings and other publications; the individual papers will be more likely to be listed by indexing and abstracting services; and the handling cost of the series will be lower. The royalties received by **IFIP** are expected to be at least as much as in the past.

Another matter discussed by the Committee was the delay between an **IFIP** event and the publication of the proceedings. Both the publisher and the Technical Committee chairmen are attempting to reduce this time. Of the 36 books published during the present accounting period (July 90 – June 91), 6 were available at the conference and 17 within six months. On the other hand, one was published 25 months later. (The number of books is up from 34 last year.) Such tardy publication is a great disservice to the authors, to the subscribers, to **IFIP** (since there are few customers for stale books), and to the publisher. Everyone concerned is trying to reduce the delay.

Finally, it was reported by the Elsevier representatives that **IFIP** generated approximately 16 000 pages in its publications last year.

IFIP'S FINANCES HEALTHY IN 1990

Mr. *Aage Melbye (DK),* **IFIP's** treasurer, reported to the Council in Barcelona that, "The positive trend in **IFIP's** financial position, experienced during recent years, continued through 1990 with a substantial improvement in the budgeted result." Due to a payment of 168 000 Sfr. from the Organizing Committee of **IFIP** Congress '89 (San Francisco), the net result for 1990 was a surplus of 173 000 Sfr. (These are unaudited figures.) The result for 1991 should also be positive, since an additional payment from Congress '89 of 110 000 Sfr. is expected soon. These payments substantially exceed the amounts previously anticipated. Council was very pleased with the increased clarity of the Treasurer's Report.

There are several areas of concern, however. If it had not been for the Congress proceeds, the result for 1990 would have been a surplus of only 5 000 Sfr. (or a loss of 17 000 Sfr. after deductions were made for special funds). Also, there was a decrease of approximately 90 000 Sfr. in the value of the securities **IFIP** holds in its portfolio. Because of the poor performance of the portfolio early in 1990 and earlier losses due to currency fluctuations, the 1990 General Assembly (GA) in Buenos Aires instructed the treasurer to change the **IFIP** portfolio from international securities to bonds based on Swiss francs. *Mr. Melbye* is attempting to do this, while following the advice of the **IFIP** bankers to make a gradual change.

Proceeds from Events Decreasing

Another problem is that proceeds from IFIP events decreased from 141 000 Sfr. in 1989 to 67 000 Sfr. in 1990, while income from royalties increased only slightly. Although the TC Funds were designed to encourage TCs to hold profitable events and generate increased royalties and to give the TCs greater autonomy (see the article on page 2 of the December 1990 ***IFIP Newsletter),*** the mechanism does not seem to have been effective. *Mr.* Melbye is still adjusting the procedures, in an attempt to achieve the desired goals.

TCs 6, 5, and 10 generated the largest royalties in 1990; TCs 5, 6, and 10 generated the greatest event proceeds; and TCs 3, 10, and 5 had the largest operating expenses.

Looking to the Future

Looking ahead, the treasurer and the Finance Committee (FC) reported that, "there is no evidence to cause us to expect any further continuation of the positive trend into 1991." Income is decreasing, while expenses are increasing. The FC asked **IFIP** to consider other means of generating income — for example, including advertising in **IFIP** proceedings, the ***IFIP Newsletter,*** and the ***IFIP Information Bulletin;*** producing books with selections of the best papers from **IFIP** proceedings; and corporate sponsorship. The Marketing Committee will consider these possibilities.

ICS Debt

The debt of the Irish Computer Society (ICS) to **IFIP** continues unpaid. The ICS was the organizer of the **IFIP** Congress '86 (Dublin), which lost money. As a result of the poor financial situation of the ICS, the 1987 GA (Budapest) released it from the amount it had guaranteed to pay **IFIP** (180 000 Sfr.) for holding the Congress in Dublin. In addition, **IFIP** had lent the ICS 100 000 Sfr. and returned part of a partial repayment of that loan, so that another creditor could be paid. ICS promised to pay the balance of 90 000 Sfr. by February 1989. At the time of the 1990 GA, 49 000 Sfr. were still outstanding, and the ICS promised to pay 25 000 Sfr. by the end of 1990 and the balance in 1991. None of this has been paid yet. Mr. *Dudley Dolan,* the Irish representative and an **IFIP** trustee, told Council that payments of 10 000 Sfr. per year would be paid — 5 000 each in April and July.

CLARIFICATION OF THE RELATIONSHIP BETWEEN AFIPS AND IFIP

Last October, the Board of Directors of the American Federation of Information Processing Societies (AFIPS) dissolved that organization, and the December 1990 ***IFIP*** *Newsletter* reported the action in an article on page 5. Nevertheless, an article about **IFIP** in the March 1991 *Newsletter* of the South East Asia Regional Computer Confederation (SEARCC) carried an erroneous statement about the circumstances. In order to clarify matters, Mr. *Howard Funk,* the interim U.S.A. representative to the **IFIP** General Assembly (GA) and an **IFIP** trustee, wrote the following letter to Mr. *Robert lau* (SGP), Secretary General of SEARCC, its representative to the **IFIP** GA, and an '**IFIP** trustee. We print it here, with Mr. *Funk's* permission.

April 10, 1991

Dear Robert,

I was surprised to read your article in the SEARCC Newsletter in which you said, "With the withdrawal of AFIPS from **IFIP,** SEARCC is taking a close look at a relationship with which it has had a considerable amount of misgiving for some time."

What surprised me was the characterization of AFIPS's actions as a withdrawal, which carries the implication of a desire to sever a relationship. The fact is that AFIPS did not withdraw from **IFIP.** AFIPS was dissolved by its Board of Directors last October. Because of its long-term, productive relationship with **IFIP,** the constituent societies of AFIPS and the AFIPS Dissolution Committee had as a primary concern the continued effective relationship between information-processing professionals in the United States and **IFIP.** To make certain that the continuity would not be lost, arrangements were made to pay the **IFIP** dues on behalf of a new organization to be formed, whose sole charter will be to represent the United States in **IFIP. IFIP** will transfer the former AFIPS membership to its successor organization (Federation on Computing, United States [FOCUS]) at the General Assembly meeting in Harare this September.

The dues have been paid. The final payment from the most successful World Computer Congress (AFIPS was the host) has been made. Despite the dissolution of AFIPS, United States representation in both the **IFIP** Council and General Assembly has been maintained.

As you can see from the actions taken, far from withdrawing from **IFIP,** AFIPS took constructive actions to maintain a vital relationship between **IFIP** and the professionals it had represented.

Collegially yours,

Howard L. Funk ■

REGIONAL MEMBERS *continued from page 1*

heightened by letters from SEARCC to **IFIP** expressing the intention of SEARCC to withdraw from **IFIP** (or perhaps to change to Affiliate Member status). The major problem in the eyes of SEARCC is that **IFIP** is not doing enough for developing countries. CLEI has also expressed similar concerns. As a result of these concerns, IFIP's Technical Assembly discussed the matter of developing countries and regional Members at the time of the General Assembly last September in Buenos Aires and of the Council in March in Barcelona. In response to this criticism, **IFIP** is taking several actions.

- **IFIP** will attempt to arrange for a representative of **IFIP** to deliver a keynote address or similar speech at each annual conference of its regional Members.
- **IFIP's** TCs will endeavor to hold an event in a country of a regional Member at least once every two years. In many cases, TCs have been doing even better than this in the past. But it may not be feasible for every TC. Some TCs concentrate their activities in certain geographical areas because most of the specialists in their fields of interest are from those areas and cannot afford to travel great distances. In addition, events cannot be held in places where there is no one capable of managing the local arrangements for the event. Despite these problems, the TCs will try to hold more events in countries of regional Members.
- IFIP will give SEARCC permission to reproduce parts of **IFIP** publications for mass circulation in its region. **(IFIP** already has such an arrangement with the Computer Society of India. Proceeds are used to support **IFIP** activities in India.)
- **IFIP** will send its mailings directly to the individual national member societies of regional Members, rather than only to the regional Member itself (much like the way Corresponding Members are treated), so that the regional Member is relieved of the burden of dissemination of **IFIP** literature.

IFIP has already provided for a reduction of the dues of developing countries for their first years of **IFIP** membership; however, it is normally the travel expenses that make it difficult for these countries to participate in **IFIP** actively. To further assist developing countries, **IFIP's** Developing Countries Support Committee (DCSC) distributes older **IFIP** books free of charge to them. During the Council meeting, the Marketing Committee made plans to maintain a list of **IFIP** speakers willing to deliver talks at places around the world.

CEPIS — Another Regional Group

A regional computer organization of another sort exists in Europe. The Council of European Professional Informatics Societies (CEPIS) was created in 1989 to promote the common interests of the national informatics communities in Europe, promote relevant European legislation, and stimulate the use of informatics in Europe. There are currently 19 CEPIS member societies. In general, the aims of **IFIP** and CEPIS are complementary. Several representatives to **IFIP's** GA also serve as their countries' representatives to CEPIS. (In fact, Mr. *Aage Melbye (DK),* **IFIP's** treasurer, was acting chairman of CEPIS.)

One problem exists with regard to CEPIS: smaller European countries may not be able to afford dues to both CEPIS and **IFIP** and would be forced to choose membership in one or the other. In this way, if CEPIS should become officially associated with **IFIP,** it might resemble a regional Member. In order to avoid any problems, *Mr. Jim Brookes,* Chief Executive of the British Computer Society, attended the Council meeting and gave a presentation on CEPIS. A task force was appointed to determine in what ways CEPIS and **IFIP** can cooperate.

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HUMAN-COMPUTER INTERACTION

*by Prof. Brian Shackel (GB) **

The Fraunhofer Institute for Industrial Engineering is organising the fourth International Conference on "Human-Computer Interaction" (HCI) in Stuttgart, September 2-6,1991. This is entirely separate from the INTERACT series of HCI conferences sponsored by IFIP's Technical Committee on Human-Computer Interaction (TC13), but it is supported and co-sponsored by TC13.

"People problems" are now widely recognised as being the major factors that determine success or failure in the effective and profitable use of information systems. Designers, manufacturers, purchasers and users are therefore confronted with the issue of how information and communication systems can be made more efficient, easier to learn and less tiring.

In order to develop approaches to user-oriented solutions, the conference will bring together managers and researchers from all over the world, who are working in the areas of information management, human-computer interaction and the ergonomic design of information systems. The conference programme will include workshops, video presentations, hardware and software demonstrations, panel discussions and technical papers on all aspects of information management and human-computer interaction.

For programmes and further information please contact

Fraunhofer-Institut fur Arbeitswirtschaft
and Organisation
HCI'91 Sekretariat
z. H. Gerald Groh
Holzgartenstrasse 17
D-7000 Stuttgart 1, Germany
tel: +49-711/121-3810
fax: +49-711/970-2401 ■

* chairman of IFIP's Technical Committee on Human-Computer Interaction (TC13)

REGIONAL MEMBERS from p. 6

We plan to print an article about CEPIS in a future ***IFIP** Newsletter.*

IFIP will continue to examine its relationship with its regional Members and developing countries, to determine how best it can serve them within the capabilities of its resources. ■

TECHNOLOGY TRANSFER TO LATIN AMERICA

*by Prof. Dr. Detlef Kochan (D) ***

The second **IFIP** Conference on "CAD/CAM Technology Transfer to Latin America," sponsored by **IFIP's** Technical Committee on Computer Applications in Technology (TC5), took place 19-24 November 1990 in Havana, Cuba. Approximately 160 participants attended this successful event, most from Cuba, but 16 from abroad (4 from other Latin American countries, 4 from Germany, and 8 from the U.S.S.R.).

Most of the contributions on CAD/CAM (computer-aided design/computer-aided manufacturing) developments were presented by young researchers from Cuba, demonstrating their commitment to promoting CAD/CAM developments in Cuban industry. Additional worthwhile contributions came from speakers from Europe. Papers were selected in accordance with **IFIP** procedures. In addition to the technical program, there was a small exhibit of available CAD/CAM solutions and pilot projects from Cuban research institutes and universities, giving attendees the opportunity to learn the "state of the art" of CAD, CAM, and CAE (computer-aided engineering) in Cuba.

The conference was supported by the Cuban government: Cuban Vice-President *Pedro Miret Prieto* served as Honorary Chairman of the Conference, and Vice-Minister *Emilio Marill* was Chairman of the Organizing Committee. The United Nations Industrial Development Organization (UNIDO) also supported the conference, by the presence and presentation of *Dr. Pinedo Serna.*

The International Program Committee was chaired by Prof. Noel *Leon Rovira* (C), and *Prof. Detlef Kochan (D)* served as vice-chairman.

The goal of the Conference, as stated by the Organizing Committee in the invitation, was as follows:

> In the light of current changes brought about by CAD/CAM technologies in engineering and manufacturing, the Conference is bound to be crucial for the promotion of international cooperation in this field. A meeting of this kind may also contribute to bridge the technological gap between Latin-American and other countries, enhance Latin-American unity and help put an end to dependence upon transnational companies. The conference may also provide the framework for searching engineering solutions based on technical means available in and appropriate for Latin-American countries.

It is believed that most of these goals were achieved.

The third Conference in this series (the first was in Mexico in 1988) will be held in Columbia in 1992, sponsored by UNIDO.

The proceedings are available from the local organizers. One may write to

Prof. Dr. N.L. Rovira, Editor
Instituto Superior Tecnico de Holguin
Can. Central Via Tunaskm 7½
Holguin, Cuba ■

* vice-chairman of TC5

CONGRESS '92 continued from page 1

> should include paper title, and names, affiliations, postal and electronic mail addresses, and phone and fax numbers of the authors. A 150-word abstract should also be part of the paper itself.
>
> All submitted papers will be reviewed by at least three referees, with respect to significance, originality, correctness, and clarity.
>
> Authors of submitted papers must state formally on the cover page that the papers are not submitted elsewhere. Authors should also commit themselves to present the paper in person at the Congress.

The Congress Organizing Committee informed the **IFIP** Council in March that there will be an exhibition associated with the Congress and that **IFIP** will have no financial involvement.

To receive a copy of the Call for Papers or further information about the Congress, please contact

Grupo GEYSECO (Convention B.)
"IFIP Congress 92"
Mauricio Legendre 4, 8th floor G
E-28046 MADRID
Spain
tel: 34 (1) 3233701
fax: 34 (1) 3234936 ■

IFIP WORKERS MAKE SACRIFICES

A Sad Tale from Copenhagen (Not Written by Hans Christian Andersen)

An article that appeared in the March 1991 ***IFIP** Newsletter* ("ISRA-90 `Precedings' Make Fascinating Reading") has a background that illustrates some of the difficulties encountered by organizers of IFIP events. *Prof. Hans-Erik Nissen* (S), chairman of the International Program Committee of the ISRA-90 conference, wrote this note to the editor of the ***IFIP** Newsletter* after sending him a copy of the "precedings" (bound preprints).

A two-volume copy of the first printing of the precedings is very valuable, due to the story I tell you now. On the evening of December 12, my wife, who gave a helping hand to the Organizing Committee, and I went to Copenhagen. The back of our small car was stuffed with nearly 250 precedings and 200 folders, with programs, lists of participants, etc. for ISRA-90. At our hotel in Copenhagen, we parked the car in the open parking lot outside the hotel. (The hotel does not offer indoor parking.) As the Conference was not to be held at the hotel, but at the Copenhagen Business School, we unloaded only a few things from the car. When we set out for the conference site the afternoon of December 13, the day before the start of ISRA-90, we found that the car was gone. We had only 32 sets of precedings and the badges for the participants, which we had taken from the car just in case some early-arriving participants would like to register on the 13th. There were also a few conference folders kept by Organizing Committee members. The rest was gone with the car.

The Copenhagen police managed to find the car late in the evening on Dec. 13. Unfortunately, the car had been mostly emptied. Only 96 copies of volume I of the precedings were left and 8 copies of volume II. About 80 folders were also left in the car. Some books to exhibit and a lot of ballpoint pens for the participants had also disappeared.

Thanks to a hard-working Organizing Committee and fine support from the Copenhagen Business School, all participants were able to have their programs, lists of participants, and maps of the facilities, when they started to register the next morning. However, many participants received only volume I of the precedings at the Conference, and a lot of them received no precedings at all. Every participant will get her or his copy in due time, but that will come from a second printing. The participants were very understanding in face of this misfortune. The event gave us all a lesson — most appropriate in the country of the early existential philosopher Soren Kierkegaard — that people are more important to a conference than material things.

Hardship in Barcelona

In March, while on his way from the Barcelona airport to the hotel where the IFIP Council meetings were to be held, *Prof. Brian Shackel* (GB), chairman of the Technical Committee on Human-Computer Interaction (TC13), put down his suitcase to hail a cab. In the few seconds that he looked away, his suitcase disappeared down a subway entrance, accompanied by a stranger. All of Prof. Shackel's clothing, papers, books, and other material were taken; nothing was ever recovered.

Fortunately, the thief did not get *Prof.* Shackel's briefcase, which held the laptop computer on which he took notes throughout the Council meetings. ■

TC8 TO HOLD GENERAL WORKING CONFERENCE

Collaborative Work, Social Communications and Information Systems

A general Working Conference of IFIP's Technical Committee on Information Systems (TC8) will take place 26-29 August 1991 in Hanasaari, Finland (near Helsinki). The Conference, entitled "Collaborative Work, Social Communications and Information Systems (COSCIS): Theories, Tools, Methods and Impacts," is described by its organizers as follows.

A new perspective in Information Systems (IS) is emerging. In the past, IS have been designed primarily for hierarchically structured organizations, reinforcing a single unified world view. This has been reflected in the design methods, information systems architecture, and theories of information systems use. Alternative organizational structures, such as clans, networks, interorganizational alliances, and markets, have different requirements to support effective interaction among diverse sets of participants who may not share the same conceptual framework.

No longer can we afford to separate technical and social dimensions in IS design. For example, in addition to conveying information to reduce uncertainty, certain communications in IS also have the effect of creating, verifying, modifying, or discharging organizational commitments. We urgently need a better theoretical understanding of these issues in order to craft new methods and tools, so that new, effective technological solutions that support collaboration, negotiation, bargaining, and arbitration can emerge. This, in turn, allows new, more effective business structures to evolve.

COSCIS'91 will focus on theoretical research that addresses these concerns. Its objective is to promote discussions about IS and organizational structures, the development of new methods and tools, and recent experiences with emerging groupware and inter-organizational applications. In addition to sixteen accepted scientific papers, the conference includes four invited presentations on new roles of IS, changes in knowledge work and organization, emerging standards in interorganizational IS, and new technologies for group work. To increase its collaborative nature, the conference also will offer four panels on different topics.

For further information, please contact

Ms. Hanna-Kaisa Silvennoinen
Continuing Education Centre
University of Jyvaskyla
P.O. Box 35
SF-40 351, Jyvaskyla, Finland
tel: 358-41-603 701
fax: 358-41-603 621
e-mail:coscis@jytko.jyu.fi ■

WHO'S WHO IN IFIP: Professor Bill Caelli

Prof. William (Bill) Caelli, chairman of IFIP's Technical Committee on Information Privacy and Security (TC11), was born in the Australian city of Newcastle, New South Wales. He received his first degree in Physics from the University of Newcastle in 1966, followed by the Ph.D. degree, also in Physics, from the Australian National University, Canberra, in 1972.

He started working with computer systems in the early 1960s, at a steel plant, while he was studying for his first degree. From 1972 to 1979, he worked in industry. During this period, he became interested in the privacy and security aspects of large systems.

In 1979 he formed, with partners, a new company, Electronics Research Australia Pty. Ltd. (ERA), now ERACOM Pty. Ltd., to create a range of personal computers and workstations that incorporated data security and encryption features from the start. By the mid-1980s the company was concentrating upon the data security aspects of the business and had produced a range of telecommunications encryption systems and Security Control Modules (SCM) for the banking and finance industry.

Prof. Caelli joined the Queensland University of Technology (QUT) in 1988 to become the director of a new Information Security Research Centre (ISRC) within the Faculty of Information Technology. He continues as Technical Director of ERACOM Pty. Ltd. The ISRC was established to provide postgraduate education in information security as well as to perform advanced research in all aspects of the subject, including cryptographic systems, network security, and computer security.

Prof. Caelli was an early member of the New South Wales Computer Society, which later became part of the Australian Computer Society (ACS). He has taken a prominent role in the ACS since its inception. In 1982 he was made a Fellow of the ACS. He became the representative of ACS to IFIP's TC11 in the mid-1980s and was elected Chairman in 1988.

He published his first book, *The Microcomputer Revolution,* as the ACS'S first monograph in 1979 and is co-author of *Computer Security for Managers,* published in 1989. He has published numerous articles on computer and network security as well as on computer

architecture, database systems and other topics in computer science and engineering.

Prof. Caelli is married to Dr. Eleanor Crosby, an archaeologist and prehistorian. They have two school-age children.

He is an amateur pianist (with a broken upright piano at present), having a particular interest in the music of the U.S.A.'s "tin-pan alley" period, from the turn of the century to the Second World War. This includes the music of Gershwin, Porter, Kern, and others. In particular, he is a student of "boogie-woogie" piano styles and pianists such as Fats Waller, Hazel Scott, and Art Tatum.

Some of his time is spent maintaining a one-hectare bushland "house" and "environmental park" on Queensland's Gold Coast, complete with kangaroos and other assorted wildlife.

MR. LUIS FILIPE PENEDO RESIGNS FROM IFIP

We note with regret the departure from **IFIP** of *Mr. Luis Filipe Penedo.* In March, he tendered his resignation as representative of the Portuguese Computer Society (API) to **IFIP,** following completion of his term as president of the API General Assembly. We shall miss his activity in **IFIP** and his wise counsel.

Mr. Penedo served as Portuguese representative since 1983 and as trustee since 1984. Among his other accomplishments in **IFIP** is the organization of the Task Group on Fractals. (Also, see his biography on page 9 of the March 1990 ***IFIP*** *Newsletter.)*

ACCOMPLISHMENTS OF IFIP OFFICIALS

On 11 March 1991, *Mr. Ashley Goldsworthy (AUS),* president of **IFIP** from 1986 to 1989, assumed the position of Dean of the School of Business of Bond University. We expect to print more details of this appointment in a future issue of the ***IFIP*** *Newsletter.*

Prof. ***Asbjørn Rolstadås (N),*** an **IFIP** vice-president, has been serving as Dean of Mechanical Engineering at the University of Trondheim since July 1990.

Prof. Dr. Heinz Zemanek (A), president of **IFIP** from 1971 to 1974 and an Honorary Member, recently published a new book, *Weltmacht Computer* (The Power of the Computer).

FOILED BY FAULTY TECHNOLOGY

In the March 1991 ***IFIP*** *Newsletter* (page 1), we said that copies of the Namur Award Lecture by *Prof. Joseph Weizenbaum (USA)* would be available from the **IFIP** Secretariat. Unfortunately, the tape recorder that was thought to be capturing the talk, delivered from notes by *Prof. Weizenbaum,* malfunctioned, and the tape was found to be blank. Thus, we have no transcription at present. We do expect, however, that Prof. *Weizenbaum* will reconstruct his speech from the notes and that we shall be able to print parts of it in a future ***IFIP*** *Newsletter.*

INFORMATION NETWORKS AND DATA COMMUNICATION

The fourth International Conference on "Information Networks and Data Communication (INDC)" will be held in Espoo, Finland (near Helsinki) 16-19 March 1992. Organized by the Finnish Information Processing Association in cooperation with the Computer Societies of Norway and Sweden, the event is sponsored by IFIP's Technical Committee TC6 (Data Communication). Other conferences in the INDC series, founded by *Dr. Dipak Khakhar,* Swedish representative to IFIP and TC6, took place in Ronneby, Sweden (1986), Copenhagen, Denmark (1988) and Lillehammer, Norway (1990).

Many new issues, both practical and conceptual, have been raised by the recent merging of computer and telecommunication technologies. Computer-based information systems, utilizing communication-oriented operating environments, distributed systems, and applications have all provided designers, implementers, and researchers with an abundance of problems, solutions, and opportunities for creative contributions.

The topics of INDC-92 will include Network-Based Information Systems; Communication Support for Distributed Systems; Value-Added Network Services, Intelligent Networks; Interoperability, Interworking; Open Systems Technology, Open Distributed Processing; Corporate Information Technology Architectures; Interorganizational Systems, Electronic Data Interchange (EDI); Managerial Issues in Distributed Technology Environments; Security, Authentication, Confidentiality, and Privacy; High Speed Networking, ISDN, B-ISDN, IBCN; and Multimedia Communication.

For information on submitting a paper, see the "Calls for Papers" column on page 14. For other information, please contact

INDC-92 Conference Secretariat
c/o Kyllikki Kari
Finnish Information Processing Association
Tulkinkuja 3
SF-02600 ESPOO, Finland
tel: (+3580)5121255
fax: (+3580)5121276
[illegible]

Editor's New E-mail Address

Please note that the Internet e-mail address of the ***IFIP*** *Newsletter* editor has been changed. The new address is

rosenj@watson.ibm.com

SUMMER SCHOOL ON SOCIAL CITIZENSHIP IN THE INFORMATION AGE

IFIP's Working Group on Social Accountability (WG 9.2) is organizing an International Summer School on "Social Citizenship in the Information Age" 28 July-2 August 1991 in Brighton, U.K. Unlike typical IFIP conferences, which bring experts together to explore the latest developments in their fields, this School aims to bring together about 60 young doctoral students, research assistants, and academics and a number of leading researchers in the field of informatics and society, for a week of intensive study and discussion.

The School will explore a wide range of issues, covering both how citizens can benefit from the use of information technology and how the technology can be made more responsive to the needs and concerns of citizens. By "social citizenship" is meant the rights and responsibilities of citizens within their own families, communities, nations, regions, and the globe, and the relationship of these rights and responsibilities to questions of access, empowerment, and a sense of responsibility for the public good.

The themes of the School will reflect the specific interests of the participants, but it is expected that they will include topics such as the Concept of Social Citizenship; Men and Women: Different Approaches to IT?; Vulnerability and Risk in Society; Information Technology and the Home; Cultural Diversity and Informatics; Overcoming Disability; Ecology of Informatics; and Information Technology and Citizens' Rights.

Each day will commence with two keynote lecturers, whose task will be to outline major research and thinking in the field of informatics and society. The main part of each day will be devoted to workshop sessions, where specific topics will be discussed in depth by groups of 10-15 people. There will be opportunities for delegates to inform others of the work undertaken at their institutions, their own current research interests, or their own pet theories, in a "Speakers' Corner."

It is intended that there will be an equal number of men and women involved at all levels within the Summer School and that there will be balanced representations from different types of society and from different regions of the world.

For more information about the Summer School, please contact

ITEL
Brighton Polytechnic, Watts Building
Moulsecoomb
Brighton BN2 4GJ, U.K.
e-mail (JANET): ceb7@uk.ac.bton.vms ■

IFIP PUBLICATIONS AVAILABLE

New **IFIP** workers should be aware of the availability of the following **IFIP** publications from the **IFIP** Secretariat:

- Information Bulletin
- Statutes and Bylaws
- Standing Orders
- *What Is **IFIP**?*
- 6-Year Plan (list of planned **IFIP** events)
- WG Chairman's Handbook
- Event Approval Guidelines
- Policy on Working Conferences
- Publications Policy
- Guidelines for Editors of **IFIP** Working Conference Proceedings

CORRECTION

The December 1990 ***IFIP*** *Newsletter* carried an article about the Fifth World Conference on Computers in Education — WCCE'90. A list of largest delegations that appeared in that article (on page 4) was incorrect. Following is the amended version.

Australia	1641
U.S.A.	215
U.K.	64
Japan	49
The Netherlands	43
New Zealand	43

■

TECHNICAL COMMITTEE CHAIRMEN

TC2:	P.C. Poole	AUS 89-92
TC3:	P. Bollerslev	DK 91-94
TC5:	M. Tomljanovich	I 88-91
TC6:	R.P. Uhlig	USA 88-91
TC7:	P. Thoft-Christensen	DK 89-92
TC8:	G.B. Davis	USA 89-92
TC9:	K. Brunnstein	D 89-92
TC10:	G.L. Reijns	NL 89-92
TC11:	W.J. Caelli	AUS 88-91
TC12:	R.A. Meersman	NL 89-92
TC13:	B. Shackel	GB 89-92

NEW IFIP PUBLICATIONS FROM NORTH-HOLLAND

Artificial Intelligence and Computer Vision

Proceedings of the Seventh Israeli Conference, 26-27 December 1990, Ramat Gan, Israel

edited by Y.A. Feldman *and* A. Bruckstein

1991 x + 488 pages
Price: US $ 137.00 / Dfl. 240.00
ISBN 0-444-89126-9

Future Directions in Artificial Intelligence

IFIP TC12 Collected Papers

edited by P.A. Flach *and* R.A. Meersman

1991 xiv + 190 pages
Price: US $ 80.00 / Dfl. 140.00
ISBN 0-444-89048-3

International Primary Care Computing

Proceedings of the IMIA Workshop, Brighton, UK, 5 *April, 1990*

edited by G.M. Hayes *and* N. Robinson

1991 xviii + 298 pages
Price: US $ 88.50 / Dfl. 155.00
ISBN 0-444-89147-1

Database Security, IV

Status and Prospects

Proceedings of the IFIP TC11 4th Working Conference, Halifax, UK, 18-21 September 1990

edited by S. Jajodia *and* C.E. Landwehr

1991 x + 408 pages
Price: US $ 114.50 / Dfl. 200.00
ISBN 0-444-89076-9

Protocols for High-Speed Networks, II

Proceedings of the IFIP TC6 Second International Workshop, Palo Alto, CA, USA, 27-29 November 1990

edited by M. Johnson

1991 xiv + 422 pages
Price: US $ 120.00 / Dfl. 210.00
ISBN 0-444-88932-9

Integrated Network Management, II

Proceedings of the IFIP TC6 2nd International Symposium, Washington, D.C., USA

edited by I. Krishnan *and* W. Zimmer

1991 xx + 860 pages
Price: US $ 134.50 / Dfl. 235.00
ISBN 0-444-89028-9

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Information Systems Research: Contemporary Approaches & Emergent Traditions

Proceedings of the IFIP TC8 Working Conference on the Information Systems Research Arena of the 90's: Challenges, Perceptions, and Alternative Approaches, Copenhagen, Denmark, 14-16 December 1990

edited by H.-E. Nissen, H.K. Klein *and* R. Hirschheim

1991 xiv + 754 pages
Price: US $ 148.50 / Dfl. 260.00
ISBN 0-444-89029-7

Formal Description Techniques, III

Proceedings of the IFIP TC6 .1 Third International Conference on Formal Description Techniques for Distributed Systems and Communications Protocols, FORTE '90, Madrid, Spain, *6-9 November 1990*

edited by J. Quemada, J. Maims *and* E. Vazquez

1991 xviii + 584 pages
Price: US $ 137.00 / Dfl. 240.00
ISBN 0-444-89024-6

Electronic Design Automation Frameworks

Proceedings of the Second IFIP WG10.2 Workshop, Charlottesville, VA, USA, 26-27 November 1990

edited by F.J. Rammig *and* R. Waxman

1991 xii + 398 pages
Price: US $ 111.50 / Dfl. 195.00
ISBN 0-444-88917-5

Silicon Architectures for Neural Nets

Proceedings of the IFIP TC10.5 Workshop on Silicon Architectures for Neural Nets, St. Paul de Vence, France, 28-30 November 1990

edited by M. Sami *and* J. Calzadilla-Daguerre

1991 x + 304 pages
Price: US $ 91.50 / Dfl. 160.00
ISBN 0-444-89113-7

Message Handling Systems

and Application Layer Communication Protocols

Proceedings of the IFIP TC6 International Symposium, Zurich, Switzerland, 3-5 October 1990

edited by P. Schicker *and* E. Stefferud

1991 xiv + 580 pages
Price: US $ 128.50 / Dfl. 225.00
ISBN 0-444-88916-7

Dependability of Artificial Intelligence Systems 1991

DAISY-91

Proceedings of the IFIP WG5.4/IFAC Workshop, Vienna, Austria, 27-29 May, 1991

edited by G.H. Schildt *and* G. Retti

1991 xii + 362 pages
Price: US $ 103.00 / Dfl. 180.00
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D-2900 OLDENBURG, Germany
(succeeding K.E. Blum [USA])

WG2.4 chairman: Prof. U. Kastens
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D-4790 PADERBORN, Germany
(succeeding Prof. W. M. Waite)

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Kruislaan 409
NL-1098 SJ AMSTERDAM, The Netherlands
(succeeding Prof. J.R. Rice)

TC5 vice-chairman for East: Dr. Toru Mikami
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fax: 45 (45) 821766
e-mail: eh@csd.cri.dk

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fax:49 (441) 7982155

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B. Schutter (B) L. Yngstrom (S)
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O. Babaoglu **(I)**
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FUTURE IFIP MEETINGS

GENERAL ASSEMBLY AND COUNCIL (and related meetings)

GA	2-6 Sep 91	Harare, Zimbabwe
Council	2-6 Mar 92	Trondheim, Norway
GA	12-14 Sep 92 (after IFIP Congress)	Madrid
GA	before or after IFIP Congress '94	Hamburg

TECHNICAL COMMITTEE AND WORKING GROUP MEETINGS*

TC2	24-25 Jun 91	Queensland, Australia
WG2.1	late 91 or early 92	Rio de Janeiro
WG2.2	22-26 Jul 91	Darmstadt, Germany
WG2.3	Sep 91	southern France
WG2.5	mid Sep 91 (with Conf.)	Karlsruhe, Germany
WG2.6	Oct 91	Vienna
WG2.7	Sep 91	La Troche, France
	Aug 92 (with Conf.)	Ellivuori, Finland
TC3	29-30 Jun 91	Alesund, Norway
WG3.1	9 Aug 91 (with Conf.)	Santa Barbara, California
WG3.4	Jul 91 (during Conf.)	Alesund, Norway
WG3.5	Jul 91 (after Conf.)	Alesund, Norway
TC5	8 Sep 91 (with CAPE)	Bordeaux, France
WG5.3	5 Jun 91	Nancy, France
WG5.4	27-31 Aug 91	Helsinki
WG5.7	11 Nov 91	Bremen, Germany
TC6	21-22 Nov 91 (with COMTAP)	Sydney, Australia
	20-21 Mar 92	Heslinki
	24-25 Sep 92	Nice
	Mar 93 (with Conf.)	Capetown
WG6.1	18-20 Jun 91 (with Conf.)	near Stockholm
WG6.5	22 May 92 (with Conf.)	Vancouver, Canada
TC7	3 Sep 91 (with Conf).	Zurich
TC8	25-26 Aug 91	Helsinki
	5-6 Sep 92	Madrid
WG8.1	1 Nov 91 (with Conf.)	Quebec City
	13-15 Apr 92 (with Conf.)	Alexandria, Egypt
WG8.2	15 Dec 91	New York
WG8.3	10-12 Sep 91 (with Conf.)	Canterbury, U.K.
WG 8.4.	10-12 Sep 91 (joint mtg.)	Canterbury, U.K.
TC9	29-30 Jun 91	Tampere, Finland
	5-6 Sep 92 (with IFIP Congress '92)	Madrid
WG9.2	3-4 Aug 91	Brighton, U.K.
WG9.6	12 Oct 91	Bergen aan Zee, The Netherlands
	7 Mar 92	U.K. or Brussels
WG10.4.	28 Jun-1 Jul 91	Quebec City
	Feb 92	Hawaii
	Jul 92	Cape Cod, Massachusetts
	Feb 93	Captiva, Florida
	Jul 93	Toulouse region, France

* Some meetings are scheduled in conjunction with Working Conferences, for which the conference dates are listed.

Will TC and WG chairmen kindly keep the Secretariat advised of the dates and locations of their future administrative meetings and also send a copy of the minutes to the Secretariat.

The *Working Group Chairman's Handbook* has been revised recently, and the new version is now available from the **IFIP** Secretariat.

To Organizers of IFIP Conferences:
Please send several copies of your Calls for Papers to the **IFIP** Secretariat, in order that the staff may be able to handle queries.

National Abbreviations Used in Newsletter

A Austria
AUS Australia
B Belgium
BD Bangladesh
BG Bulgaria
BR Brazil
C Cuba
CDN Canada
CH Switzerland
CLE1 Centro Latinoamericano de Estudios en Informatica
D Germany
DK Denmark
E Spain
F France
GB United Kingdom
GH Ghana
H Hungary
Italy
IND India
IRL Ireland
J Japan
KEN Kenya
N Norway
NL The Netherlands
P Portugal
PRC China
RA Argentina
S Sweden
SEARCC South East Asia Regional Computer Confederation
SF Finland
SGP Singapore
USA U.S.A.
WRN Nigeria
ZA South Africa
ZW Zimbabwe

CALLS FOR PAPERS

Fourth WG6.1 Intl. Conf. on Formal Description Techniques — FORTE '91
19-22 Nov 91, Sydney
papers due: 1 Jun 91
contact: Prof. Gordon Rose
Computer Science Dept.
Univ. of Queensland
Queensland 4072, Australia
tel: +61 7 365 2766
fax: +61 7 365 1999
e-mail: rose@cs.uq.oz.au

WG8.1 Working Conf. on Information System Concepts
13-15 Apr 92, Alexandria, Egypt
papers due: 16 Aug 91
contact: Eckhard D. Falkenberg
Dept. of Information Systems
Univ. of Nijmegen
Toernooiveld I
NL-6525 ED Nijmegen, The Netherlands
e-mail: ef@cs.kun.nl
fax: 31 (80) 553450

Seventh IFAC/IFIP/IFORS/IMACS/ISPE Symp. on Information Control Problems in Manufacturing Technology — INCOM'92
25-28 May 92, Toronto
papers due: 30 Aug 91
contact: Mrs. Nicole Léger
INCOM '92
National Research Council Canada
Montreal Road
Ottawa, Ontario, Canada K1A 0R6
tel: 1 (613) 993-9431
fax: 1 (613) 957-9828
telex: 053-3145

WG5.3 Conf. PROLAMAT'92
24-26 Jun.92, Tokyo
abstracts due: 30 Sep 91
contact: Conference Secretariat — PROLAMAT'92
c/o Japan Society of Precision Engineering
Ceramics Building, Hyakunin-Cho 2-22-17
Shinjuku-ku, Tokyo 169, Japan
tel: 81 (3) 3362 4030
fax: 81 (3) 3367 0994

TC6 Intl. Conf. on Information Networks and Data Communication — INDC-92
16-19 Mar 92, near Helsinki
papers due: 1 Oct 91
contact: Martti Tienari
Univ. of Helsinki
Teollisuuskatu 23
SF-00510 Helsinki, Finland
tel: 358 (0) 708 4175
fax: 358 (0) 708 4441
telex: 122 785 tsk SF
e-mail: tienari@cs.helsinki.fi

Seventh World Congress on Medical Informatics — MEDINFO 92
6-10 Sep 92, Geneva
papers due: 15 Nov 91
contact: MEDINFO 92 Administrative Office
Symporg SA
108, route de Frontenex
CH-1208 Geneva, Switzerland
tel: 41 (22) 786 37 44
fax: 41 (22) 786 40 80

Editor's New E-mail Address

Please note that the Internet e-mail address of the ***IFIP Newsletter*** editor has been changed. The new address is

rosenj@watson.ibm.com

CALENDAR OF EVENTS

(continued from page 16)

Event	Date	Location	Sponsored by
Intl. Work. Conf. on *Database Security*	4-7 Nov 91	Shepherdstown, West Virginia	**IFIP** WG11.3
Work. Conf. on *New Approaches Towards "One-of-a-Kind" Production*	12-14 Nov 91	Bremen, Germany	WG5.7/BIBA & Directorate Genl. XIII - CEC
Intl. Workshop on *Relationship between Synthesis, Test and Verification*	15-16 Nov 91	Berkeley, California	WG10.5
Fourth Intl. Conf. on *Formal Description Techniques — FORTE '91*	19-22 Nov 91	Sydney, Australia	WG6.1
Work. Conf. on *Process Planning for Complex Machining with AI-Methods*	27-29 Nov 91	Dresden	WG5.3
Twelfth Annual Intl. Conf. On *Information Systems — ICIS*	16-18 Dec 91	New York	TIMS, ACM, TC8
Work. Conf. on *Stochastic Programming: Stability and Numerical Methods*	1 Mar 92	Wendisch-Rietz, Ger.	WG7.7/ Humboldt Univ.
Work. Conf. on *Low Quality Information Processing*	1 Mar 92	Montpellier, France	CRIM/WGl2.3 INRIA, USTL
Fourth Intl. Conf. on *Information Networks and Data Communication — INDC '92*	16-19 Mar 92	Espoo, Helsinki	TC6
Purdue Intl. Workshop on *Industrial Computer Systems*	6-9 Apr 92	West Lafayette, Indiana	WG5.4/ Purdue
Work. Conf. on *Stochastic Optimization: The State of the Art*	12-19 Apr 92	Havana	WG7.7/ Univ. of Havana
Work. Conf. on *Information System Concepts — Improving the Understanding — ISCO*	13-15 Apr 92	Alexandria, Egypt	WG8.1
Seventh Symp. on *Information and Control Problems in Manufacturing — INCOM '92*	25-28 May 92	Toronto	IFAC/ TC5
Eighth Intl. Conf. on *Computer Security* — IFIP/SEC'92	27-29 May 92	Singapore	TC11
Conf. on *Measurement & Modelling of Computer Systems — SIGMETRICS 92*	1-5 Jun 92	Newport, Rhode Island	ACM SIGMETRICS/TC7.3
Fifth Symp. on *Man-Machine Systems*	9-11 Jun 92	The Hague	1FAC/ WG5.2/10
Eighth Intl. Conf. on *Software for Discrete Manufacturing — PROLAMAT '92*	24-26 Jun 92	Tokyo	WG5.3/ IFAC JSPE IPSJ
Work. Conf. on *Professional Development of Information Technology Professionals*	1 Jul 92	Singapore	WG3.4/ Sing. Comp. Soc.
Fifth Work. Conf. on *Engineering for Human-Computer Interaction*	10-14 Aug 92	Ellivuori, Finland	WG2.7
Seventh Conf. on *Dynamic Modelling of National Economies*	18-20 Aug 92	Beijing	1FAC/IFORS RASA **IFIP**
Seventh World Congress on *Medical Informatics — MEDINFO '92*	6-10 Sep 92	Geneva	1M1A
IMP Congress '92 — Twelfth World Computer Congress	**7-11** Sep 92	Madrid	**IFIP**
ICCC '92	27 Sep-2 Oct 92	Genoa	1CCC
Workshop on *Geometric Modelling*	31 Dec 92	Budapest	TC5
Eleventh 1APR Open Conf. on *Pattern Recognition*	31 Dec 92	The Hague	1APR
Conf. on *Feature Modelling and Recognition for CAD/CAM Systems*	31 Jan 93	Valenciennes, France	WG5.3/ AFCET
Work. Conf. on *Computational Techniques of Stochastic Programming*	1 Feb 93	Seregelyes, Hungary	WG7.7/ 1FAC
Workshop on *Knowledge Based Hybrid Systems in Manufacturing*	1 Apr 93	Genoa	WG5.3
Ninth Intl. Conf. on *Computer Security — IFIP/SEC'93*	1 May 93	Canada	TC 11
Work. Conf. on *Computer-based Training and Hypermedia in Vocational Education*	1 Jul 93	Soest, Germany	WG3.4
VLSI '93	31 Jul 93	Grenoble	WG10.5
Work. Conf. on *Statistical Aspects of Stochastic Programming*	31 Jul 93	Prague	WG7.7
Thirteenth Intl. Joint Conf. on *Artificial Intellligence — IJCAII '93*	29 Aug-3 Sep 93	Chambery, France	IJCAII
Workshop on *Large Scale Stochastic Programs: Applications and Solutions*	1 Oct 93	Yalta, U.S.S.R.	WG7.7
Conf. on *Network Information Processing Systems*	12-14 Oct 93	Sofia, Bulgaria	TC6/Bulg. Acad. of Sci.
IFAC World Congress '93	31 Dec 93	Sydney, Australia	IFAC
Workshop on *Stochastic Methods and Global Optimization*	1 Mar 94	Lithuania	WG7.7
IFIP Congress '94 — Thirteenth World Computer Congress	29 Aug-2 Sep 94	**Hamburg**	**IFIP**
Workshop on *Expert Systems in Computer Integrated Manufacturing*	31 Dec 94	Kiev	WG5.3
World Conf. on *Computers in Education — WCCE '95*	24 Jul 95	United Kingdom	TC3/BCS
Thirteenth *IFAC World Congress*	31 Dec 96	San Francisco	IFAC

Please see page 14 for schedule of **IFIP** administrative meetings.
The **IFIP** Secretariat can furnish details of most of the events listed.

CALENDAR OF EVENTS

Event	Date	Location	Sponsored by
Intl. Workshop on *Synthesis, Simulation and Physical Design*	2-4 Jun 91	Leningrad	WG10.5
Second Conf. on *Governmental and Municipal Information Systems*	3-6 Jun 91	Balatonfured, Hungary	WG8.5/J. v. N. Soc. for Comp.
Open Conf. on *Systems Application in Farm Production/Business and the Logistics of Food Supply and Marketing — CAFPA '91*	4-6 Jun 91	Budapest	WG5.9/HSSFI
Twenty-third Intl Seminar on *Manufacturing Systems — CIM*	6-7 Jun 91	Nancy, France	CRAN/C1RP WG5.3 AFCET CNRS
Conf. on *Partial Evaluation and Semantics-based Program Manipulation*	17-20 Jun 91	New Haven, Conn.	ACM SIGPLAN/ TC2
Eleventh Intl. Symp. on *Protocol Specification, Testing and Verification*	17-20 Jun 91	Stockholm	WG6.1/ S1CS
Work. Conf. on *Human Jobs and Computer Interfaces*	26-28 Jun 91	Tampere, Finland	WG9.1
Second Intl. Conf. on *Local Communication Systems: LAN and PABX*	26-28 Jun 91	Palma, Balearic Islands, Spain	WG6.4
Fourth Open Conf. on *Women, Work and Computerization — WWC 4*	30 Jun-2 Jul 91	Helsinki, Finland	WG9.1
Work. Conf. on *Training — from CAD to CIM*	1-5 Jul 91	Aalesund, Norway	WG3.4/Nor. Royal Ministry of Ed. & R. Nor. Comp. Soc.
Work. Conf. on *The Teacher and Computing: Why, What, How and When*	1-5 **Jul** 91	Aalesund, Norway	WG3.5
Fifth Symp. on *Computer-Aided Design in Control and Engineering Systems — CADCS '91*	15-17 Jul 91	Swansea, U.K.	IFAC/ TC5
Thirteenth IMACS World Congress on *Computation and Applied Mathematics*	22-26 **Jul** 91	Dublin	1MACS
Seminar on *Social Citizenship in the Information Age*	28 Jul-2 Aug 91	Brighton	WG9.2
Work. Conf. on *Impacts of Informatics on the Organization of Education*	5-9 Aug 91	Santa Barbara, Calif.	WG3.1
Twelfth Intl. Joint Conf. on *Artificial Intelligence — IJCAI '91*	18-23 Aug 91	Sydney, Australia	**IJCAII**
VLSI '91	20-22 Aug 91	Edinburgh	WG10.5
Intl. Workshop on *Application of Synthesis and Simulation*	25-28 Aug 91	Lenggries, Germany	WG10.5
Work. Conf. on *Collaborative Work, Social Communication and Information Systems — COSCIS '91*	27-29 Aug 91	Helsinki	TC8/ FIFA
Open Conf. on *Functional Programming and Computer Architectures — FPCA '91*	28-30 Aug 91	Boston	ACM/ WG2.8
Intl. Seminar on *Information Technology Education and Training — ITET*	28-31 Aug 91	Harare, Zimbabwe	Comp. Soc. of Zimbabwe/TC3
Intl. Conf. on *Computers in Automation of Shipyard Operations — ICCAS '91*	1 Sep 91	Rio de Janeiro	WG5.6
Fifteenth Conf. on *System Modelling and Optimization*	2-6 Sep 91	Zurich	TC7/ AFCET IFORS OeGOR SVI/FSI SVOR/ASRO
Fourth Intl. Conf. on *Human Computer Interaction — HCI'91*	2-6 Sep 91	Stuttgart	IAO/Purdue Univ. TC13
Seventeenth Open Conf. on *Very Large Databases — VLDB '91*	3-6 Sep 91	Barcelona	VLDB
Workshop on *Support Functionality in the Office Environment*	9-12 Sep 91	Canterbury, U.K.	WG8.3/WG8.4
Fourth Open Conf. on *Computer Application in Production and Engineering — CAPE '91*	10-12 Sep 91	Bordeaux	TC5
Fourth Work. Conf. on *Reliability and Optimization of Structural Systems*	11-13 Sep 91	Munich	WG7.5
Conf. on *Information Technology for Advanced Manufacturing Systems — ITAMS '91*	17-19 Sep 91	Nanjing, Jiangsu, China	WG5.3
Work. Conf. on *Security and Reliability in Distributed Systems — SRDS*	18-20 Sep 91	Prince Edward County, Canada	WG10.3/ Inf. Tech. Rsch. Cent., Toronto
Work. Conf. on *Programming Environments for High-Level Scientific Problem-Solving*	23-27 Sep 91	Karlsruhe, Germany	WG2.5
Intl. Conf. on *CAD/Computer Graphics — CAD/GRAPHICS 91*	30 Sep 91	Hangzhow, China	Chinese Comp. Fed./ WG5.10
Work. Conf. on *Informatics at the University Level: Teaching Advanced Subjects in the Future*	3-5 Oct 91	Zurich	WG3.2/UNESCO, ACM
Work. Conf. on *Shaping Organizations and Shaping Technology — SOST '91*	8-9 Oct 91	Adelaide, Australia	TC9/ ACS
Intl. Conf. on *Open Distributed Processing — IWODP*	8-10 Oct 91	Berlin	TC6/IIR, GMD-FOCUS
Second Workshop on *Distributed Databases in Real-Time Control*	9-13 Oct 91	Rydzyna, Poland	IFAC/ WG5.4
Purdue Intl. Workshop on *Industrial Computer Systems*	21-24 Oct 91	West Lafayette, Indiana	WG5.4/ Purdue
Work. Conf. on *The Object Oriented Approach in Information Systems — 00A*	28-31 Oct 91	Quebec	WG8.1

(continued on page 15)

IFIP Congress '92 — 12th World Computer Congress	7-11 Sep 92	Madrid	**IFIP**
IFIP Congress '94 — 13th World Computer Congress	29 Aug-2 Sep 94	Hamburg	**IFIP**

Please see page 14 for schedule of **IFIP** administrative meetings.
The **IFIP** Secretariat can furnish details of most of the events listed.