HAMBURG - AN IDEAL SITE FOR IFIP CONGRESS '94

The IFIP General Assembly (GA) received reports in September from the International Program Committee and Organizing Committee of IFIP Congress '94, to be held in Hamburg 28 August to 2 September 1994. One aspect stressed was the appealing locale. We include in this article some information about Hamburg.

Hamburg is not only a business and trade center, port, and university city — it is also a tourist’s delight. With 1.7 million inhabitants, it is the second-largest city in Germany, after Berlin. Hamburg is Germany’s greenest city, full of parks, woods, canals, rivers, and the Alster — a 182-hectare (450-acre) lake in the heart of the city and a popular place for sailors, windsurfers, joggers, and strollers.

The Alster is a very short walk from the Congress Center (CCH), where the majority of Congress '94 events will take place. (A few will be held at the adjacent University of Hamburg.) The CCH, in the center of Hamburg, is one of the world’s largest and most modern convention venues. The beautiful old Botanic Garden is just adjacent.

The weather in Hamburg at the end of August is usually quite good: 17°C (63°F) average temperature, some wind, some sunshine, and some showers.

Tourist and Cultural Attractions

Hamburg is a vibrant city, where water is never far away. With the Port, Alster, and numerous canals, Hamburg has more bridges than Venice and Amsterdam, combined. Inseparably linked to the Port and the city itself is St. Pauli, Hamburg’s “sinful mile.” Nowadays, one can find musicals, cabaret, satire, variety, and comedy performed there. Undoubtedly, one of the district’s biggest attraction is the traditional Fish Market, which takes place around the restored Fish Auction Hall 5-10 a.m. every Sunday.

In addition to the renowned Hamburgische Staatsoper (the oldest opera in the world founded by ordinary citizens), Deutsches Schauspielhaus, and Thalia Theater, Hamburg has more than 40 private theatres and several concert halls, open-air venues, and musical theatres. With some 50 state-owned and private museums, the city has many interesting collections. When it comes to shopping, Hamburg can offer its visitors extraordinary attractions, from exclusive shopping boulevards to glass-roofed shopping arcades.

continued on page 4
**IFIP NEWSLETTER**

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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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**IFIP AWARDS**

*Isaac L. Auerbach Award Instituted*

The IFIP General Assembly (GA),

meeting in Tokyo in September,

approved the creation of a prestigious

award in the name of its founder, **Isaac L. Auerbach** (USA). (An

obituary of Mr. Auerbach is on page 3 of the March

1993 **IFIP Newsletter**.) This award will be

presented every other year, at the

opening sessions of IFIP Congresses,

beginning in 1994. The award is to be

given to those individuals whose service in sup-

port of IFIP in its mission is deemed by

their peers to be extraordinary.

The president of each IFIP Full Member

society is invited to submit a nomination

for the first award, to the IFIP president,

by 15 February 1994. The candidate must

be a member of the nominating society.

The nomination, not to exceed 5 pages,

should specify how the nominee’s efforts

have furthered the fulfillment of IFIP’s

mission in the international community.

The nominations will be kept confidential.

The selection will be made by the IFIP

Executive Board.

Each award recipient will be provided a

grant to cover the cost of travel to the site

of the Congress and will be presented with

a medal and an honorarium. Presentation

of the first award will be made on 29

August 1994 in Hamburg at IFIP

Congress ’94 by Mrs. Carol Auerbach, Mr. Auerbach’s widow.

The GA also voted to grant the following individuals the IFIP Outstanding Service Award, for services rendered to IFIP by Technical Committee and Working Group members:

- **Dr. I. Stanchev** (BG) (TC3)
- **Prof. C. Beardon** (GB) (TC9)
- **Ms. P. Michel** (D) (WG10.5)
- **Mr. J. Beaton** (NZ) (TC11)
- **Prof. H. Highland** (USA) (TC11)

Congratulations and thanks to them for their work in behalf of IFIP!

Criteria for the Silver Core, the other IFIP internal award, were strengthened by the Executive Board in September. Attendance at a larger number of meetings is now required. Also, the recommendation of certain officers is necessary.

---

**NEW IFIP POSITION: SECRETARY GENERAL**

The IFIP Executive Board surprised the

Council and General Assembly (GA) at their meetings in Tokyo in Sep-

tember by proposing the creation of a new position — Secretary General — “with the responsibility of implementing, on a con-

tinuous basis, the decisions taken by the GA, Executive Board, and Standing

Committees. This position will not replace the Administrative Secretariat or the

Administrative Manager, but will be an extension of IFIP Management.” After

expressing displeasure at the suddenness of the proposal (neither Council nor GA

had been informed in advance), both Council and GA supported it. During

discussion in the GA, it was concluded that the position would have these three

major roles:

- to promote IFIP and enhance its image
  outside the Federation
- to direct the IFIP Secretariat, study its
  operations, and propose and implement
  economies
- to facilitate the execution of decisions
  taken by the major IFIP bodies

The first role will involve interactions

with external organizations (e.g.,

UNESCO) and Member societies, to mar-

ket IFIP effectively. This activity will

also include the solicitation of funds.

The second role, directing the Secretariat,

will include studying the feasibility of re-

locating the Secretariat to less costly fa-

cilities elsewhere in Geneva, or even in

another country. A task force consisting of

Mr. Jacques Fourot (F), then the

IFIP secretary, and Mr. Aage Melbye

(DK), the IFIP treasurer, had prepared a

report for the Executive Board on poten-

tial changes in the Secretariat. Some

400 000 Swiss francs are now budgeted

for the Secretariat (2/3 of all IFIP

expenses). Half of that is associated with

the 25 000 mailings performed annually, and

with other communication. It is believed

that significant savings, at least 15% of the

Secretariat budget, can be achieved in this

area and others, which might very well pay

for the new costs of the Secretary

General position. Other Secretariat func-

tions could be enhanced: e.g., valuable

additions in capability to the address da-

tabase, automatic production of reports

continued on page 10
TeleTeaching 93, the third in a series of IFIP conferences on distance learning, was held in Trondheim, Norway, August 20-25, 1993. The Norwegian Computer Society was organizer on behalf of the IFIP Technical Committee on Education (TC3). The objective of the conference was to demonstrate how telecommunication and information technology are used in education, distance education, and distance working, and to highlight the social consequences this has on society.

Because of the long distances and scattered population in Norway, distance education and teleteaching are very important and given high priority. Challenges facing the communication sector include bringing television to the Arctic and expanding communications in areas populated by the Sami (Laplander) minority and in communities situated along the rugged and deep fjords. The headquarters of the International Council for Distance Education are located in Oslo.

The conference programme consisted of nearly 200 contributions, with keynote and invited speakers, paper and poster sessions, workshops, projects, and demonstrations. The wide variety of contributions gave a very good presentation of the use of technology on a world-wide scale. TeleTeaching 93 was not, however, a conference for technology experts; most presentations and participants came from the user side.

The Participants

The 500 participants came from 42 different countries. All inhabited continents were represented, though very few came from Africa and South America. Most participants came from Norway, of course, but the U.K., the U.S.A., Canada, and Australia were also very well represented. These countries are also in the forefront of using technology in education and distance education. Although many contributions from Russia were accepted for presentation at the conference, not a single participant arrived in Trondheim — because of financial problems. Funding for attending the conference seemed to be a problem all over the world.

Remote Keynote Speech

The keynote speech in the opening session was delivered by Prof. Jaques Perriault (F). Only two days before the conference started, we received a message from him saying that he could not come because of health problems. Nevertheless, he offered to present his speech on two-way TV from France. Because of satellite problems, we didn’t know until the last minute whether the connection could be established. We succeeded, however, and Perriault made his presentation and could answer questions from the auditorium. From our point of view, this was a very good start to the conference, showing in practice the use of telecommunications in education.

In the closing session, we had a genuine diagnosis by a medical expert in Trondheim of a heart patient 2000 km away, in northern Norway, demonstrating, in addition, how an expert can educate doctors in remote areas, using two-way TV.

The Contributions

Many of the contributions showed how data communication is in widespread use in education all over the world. Electronic mail is frequently used in international projects between schools, and electronic conferences and e-mail seem to be in widespread use at all levels of education and for varied purposes. International projects on the theme “The local and global environment, our common concern” seem to be very popular and give hope for the future.

Within distance education, the majority of the presentations came from the university level, but a substantial number were from secondary schools. They showed that schools can deliver education to adults in need of competence in many different areas. The services used were mainly data communication, TV, and two-way TV.

Further Activity

We received many questions about the next TeleTeaching conference. IFIP’s Working Group on Distance Learning (WG3.6) has future responsibility. The next major event of IFIP’s TC3 will be a world conference in Birmingham, U.K., in 1995. We expect to have many presentations on teleteaching at that conference.

The conference was very well documented by a 1000-page volume of proceedings published by Elsevier/North-Holland. Gordon Davies (GB) was Managing Editor and Brian Samways (GB) Co-editor. The abstracts of the papers are available on a listserver in Trondheim, with address continued on page 7

National Abbreviations Used in Newsletter

A Austria AUS Australia B Belgium BG Bulgaria CDN Canada CH Switzerland CZ Czech Republic D Germany DK Denmark E Spain F France GB United Kingdom GR Greece H Hungary HK Hong Kong I Italy IND India IRL Ireland IS Iceland J Japan MEX Mexico N Norway NL The Netherlands NZ New Zealand P Portugal PL Poland RUS Russia S Sweden V Finland SGP Singapore SLO Slovenia SO Slovakia USA U.S.A. ZA South Africa ZW Zimbabwe

FOUROT RETIRES FROM IFIP

The 1993 IFIP General Assembly in Tokyo marked the end of the IFIP career of Mr. Jacques Fourot, who has been secretary since 1981 and representative of France since 1980. IFIP’s president, Prof. Asbjørn Rolstadås (N), commended him on his long, dedicated, and invaluable service to IFIP. We shall miss his friendship and his extensive contributions to IFIP.
New officers and trustees were elected. In addition, many other issues were addressed and decisions taken.

Dr. Yukio Mizuno, president of the Information Processing Society of Japan (IPSJ), welcomed the GA. He noted the tremendous growth of IPSJ since its founding 33 years ago and pointed out its increasingly international viewpoint. He observed that as the influence of information technology on society grows, so does the importance of the wisdom and leadership of IFIP.

Technical Activities

The primary consideration during the meeting of the Technical Assembly (TA) and GA was IFIP's technical activities. The highlights of the discussions are reported here. Several new Working Groups (WGs) were formed: WG2.9, Requirements Engineering (in the Technical Committee on Software: Theory and Practice, TC2); WG11.9, Crime and Information Technology (in TC11 on Security and Protection in Information Processing Systems); and WG12.5, Knowledge-Oriented Development of Applications (in TC 12 on Artificial Intelligence). Their Scopes and Aims will be published in a future issue of the IFIP Newsletter.

In addition, the Technical Committee on Computer Systems Technology (TC10) announced new activities planned in the areas of computer animation, (in conjunction with TC5 on Computer Applications in Technology), virtual reality, computer-aided system theory, and microsystem technology (related to the combination of several technologies on one multi-layer module). TC8 (Information Systems) is planning new WGs on Technology Transfer/Diffusion in Information Systems, and on Requirements Engineering. WG9.2 (Social Accountability) proposed that work in the area of Computing and Disability be conducted under its aegis rather than in a new WG. TC11 is planning activity related to the certification of individuals in the information security profession. In addition, WG11.8 (Information Security Education) announced plans for the development of the curriculum for a university course at the graduate level in information-system security. TC3 (Education) announced plans for the seventh World Conference on Computers in Education, to be held in Copenhagen in the year 2001. Three thousand participants are expected.

TC9 (Relationship between Computers and Society) proposed a resolution, which the TA adopted, that all IFIP events should encourage the participation of people from developing countries, financially and by other means.

IFIP's president, Prof. Asbjørn Rolstadás (N), suggested a means to encourage younger members of the information processing community to participate in IFIP activities: the formation of "Special Interest Groups" (SIGs) within IFIP WGs, with membership open to all those interested, upon payment of a nominal membership fee. At present, membership in many IFIP WGs is very selective, with only the most well-known and experienced professionals in their fields invited to participate. The SIG concept would open IFIP technical activity to a much wider group. TCs 9 and 10 agreed to establish pilot SIGs in order to test this concept.

Discussions were held concerning the increasing use of e-mail within IFIP and Member societies. An article about this will appear in a future Newsletter.

Other discussions centered on ways in which IFIP currently consults for other organizations and governments and ways it might do more consulting in the future. Consulting can assist the recipients, bring credit to IFIP, and provide income.

The TA concluded with a "brainstorming" session concerning innovative activities in IFIP.

Congress

Three future IFIP Congresses were considered by the GA. Plans for IFIP Congress '94 are discussed in an article on page 1. Preliminary plans for Congress '96 were discussed by the chairman of its International Program Committee, Dr. Prem Gupta (IND), and its Organizing Committee chairman, Prof. Ashley Goldsworthy (AUS). Dr. Gupta solicits suggestions from all parties. The Congress will take place in Canberra 2-6 September 1996.

Finally, the GA accepted the uncontested joint proposal of the Austrian Computer Society and the John von Neumann Computer Society of Hungary to hold Congress '98 in Vienna and Budapest and on Danube cruise boats between those cities. The Congress will be preceded by tutorials and an exhibition in Vienna on 23 and 24 August; one day of Congress sessions will be held in Vienna on the 25th; further Congress sessions will be held the following day on Danube cruise boats between the two cities; the third and last day of the Congress itself will take place in Budapest, followed by two more days of workshops and an exhibition.

Planners of Congress '96 and '98 are considering organizing each of these Congresses as a collection of relatively independent conferences sharing the venue, plenary sessions, social events, and Congress organization (registration, reservations for accommodations and other activities, etc.), but maintaining separate Program Committees.

Finances

IFIP's treasurer, Mr. Aage Melbye (DK), reported that the net financial result for 1993 is anticipated to be a deficit of 90K CHF (ninety thousand Swiss francs) ± 25K CHF. (The budget for 1993, as revised in March, called for a deficit of 50K CHF.) Additional, unanticipated expenses were entailed, however, in adjusting the pension fund for the Administrative Manager. In order to avoid the third deficit in a row, the Finance Committee and Mr. Melbye carefully went over an initial draft of the 1994 budget to find areas where expenses could be reduced and income increased. This was especially difficult because of the costs of 60K CHF associated with the new position of Secretary General (see page 2). The major source of new revenue included in the budget is 30K CHF from "sponsorships" — that is, donations from corporations or other entities, which IFIP will acknowledge in an appropriate manner (e.g., by printing the sponsors' names on the cover of the IFIP Bulletin). The Finance Committee has the responsibility for raising these funds. Despite all efforts, however, the net result called for in the '94 budget is a deficit of 60K CHF.
Membership

Five memberships in IFIP were approved by the GA. The Thai Federation for Information Processing was accepted as a Full Member, representing Thailand. The Czech Society for Cybernetics and Informatics and the Slovak Society for Computer Science were accepted as Full Members, representing the Czech Republic and Slovakia, respectively, and replacing the membership of Czechoslovakia. Articles about these Members will appear in future issues of the Newsletter. The GA voted to accept the Russian Academy of Sciences as a Full Member, representing Russia and replacing the membership of the U.S.S.R. It is anticipated that other republics from the former Soviet Union will be accepted as Members, with equal status. The South East Asia Regional Computer Confederation (SEARCC), formerly a Full Member, was accepted as an Affiliate Member (see the article on page 4 of the June 1993 Newsletter). Representatives of Taiwan and China are expected to meet to discuss the possible admission of Taiwan as a Full Member. Cuba expressed its intention to pay past dues owed; thus, its membership may eventually be reinstated. The Developing Countries Support Committee reported that the West African Regional Computer Society and the African Regional Computer Confederation, both regional Members, are encountering difficulties remaining active and may not be IFIP Members much longer.

Elections.

The GA elected new officers and trustees. Since the nominating committees named only one nominee for each vacant position, and no other individuals were nominated from the floor, the elections were uncontested. Those elected are Maj. Gen. A. Balasubrahmanian (IND), reelected vice president, Mr. Graham Morris (GB), elected secretary, Mr. Aage Melbye (DK), reelected treasurer, Dr. Dipak Khakhar (S) and Mr. Masanori Ozeki (J), reelected trustees for 3 year terms, and Dr. Walter Grafendorfer (A), elected trustee for a 2-year term. Since Mr. Morris is retiring as representative of the U.K., the GA elected him as an Individual Member, in order that he may serve as secretary.

Two TC chairmen who have served IFIP well for many years were missing from the Tokyo GA: Mr. Marco Tomljanovich (I), of TC5 and Prof. ir. Gerard Reijns (NL) of TC10. Since they had completed six years in office, they were no longer eligible for reappointment. Their service to IFIP and their warm companionship will be missed. Their successors, Dr. Toru Mikami (J) and Dr. Egon Höhbst (A), were welcomed by the TA and GA. (The resignation of Mr. Jacques Fourot (F) is discussed on page 3.)

Mrs. Patricia Glenn (CDN), the first woman GA representative since 1978, and Mrs. Jane Hammond (AUS), vice-chairperson of TC13, were welcome new faces at the otherwise all-male GA table.

Mrs. Patricia Glenn (CDN), the first woman GA representative since 1978, and Mrs. Jane Hammond (AUS), vice-chairperson of TC13, were welcome new faces at the otherwise all-male GA table.

Other Actions

Dr. Khakhar, a member of the Marketing Committee, presented to the GA a prototype of a catalogue of IFIP Member societies, which will be printed and distributed to the societies within the next few months. The information has already been placed in the on-line IFIP databases. One to two pages are devoted to each Member (all categories). There is information on addresses, top officers, goals, membership, activities, publications, affiliations, and IFIP representative. The data should be invaluable to Member societies needing information about other Members, as well as to other organizations. Once again, Dr. Khakhar demonstrated his ability to rapidly carry out a major project.

The following significant activity also occurred:

- Outstanding Service Awards were approved by the GA. (See the article on page 2.)
- The trend away from large conferences and toward workshops was discussed. In part, this is because of the financial risk of large conferences.
- The IFIP Statutes and Bylaws (S&BL) were amended to permit a "territory" to become a Full Member of IFIP. (This makes IFIP regulations consistent with those of ICSU, the International Council of Scientific Unions.) The S&BL Committee, however, opposed making formal in the S&BL the proposal made by the March Council that Full Members that resign should not be permitted to rejoin IFIP as Associate Members for 3 years. The GA retains the freedom to so restrict membership.
- The Executive Boards of IFIP and the International Medical Informatics Association (IMIA), an Affiliate Member of IFIP, met one evening during the GA. Further contact is expected.
- Dr. Salah H. Mandil of the World Health Organization and Dr. Aram Akopov of UNESCO attended several of the week's meetings.
- The Executive Board decided to hold future Council and GA meetings for 4 days and to reduce the social programs. (See the article on page 6.)

The GA was adjourned by President Rolstadås, with many thanks to the IPSJ hosts for excellent organization and delightful hospitality.


IFIP IN THROES OF PLANNING PUBLICATIONS POLICY

New Processes Sought

As announced previously (see page 5 of the June 1993 IFIP Newsletter), Elsevier/North-Holland, the primary IFIP publisher, has notified IFIP that it will not renew the present publications contract between the two organizations. Consequently, the March 1993 Council requested the Publications Committee (PC) to conduct an exhaustive review of the IFIP publication policy. Many issues are involved: dissemination of IFIP technical papers, quality, cost, availability, media (paper books, computer networks, CD-ROMs, etc.), preprints, income to IFIP, new publication routines, etc. The volume of material involved is extensive; during the past year, IFIP and Elsevier published 30 volumes in the IFIP Transactions series, which comprised nearly 12,000 pages.

Because the publication of books for IFIP events that occur after August 1994 is involved, it was essential for the PC to act rapidly. During the Council meeting, Prof. Asbjørn Rolstadás (N), the IFIP president, urged the PC to prepare its report well in advance of the September 1993 General Assembly (GA), so that GA members would have ample opportunity to study the proposals and engage in fruitful discussion. Mr. Graham Morris (GB), chairman of the PC at that time, subsequently wrote to certain IFIP Member societies, requesting their suggestions. Eleven responses were received.

Executive Board Decisions

No report from the PC was available to GA representatives prior to the GA. On the basis of a preliminary report, however, the IFIP Executive Board made the following decisions:

• There will be an agreement with a single publisher for all IFIP books.
• Higher quality will be achieved for all books.
• "Preprints" containing abstracts (1-2 pages each) of all papers will be available for all IFIP events.
• A series of 3-5 IFIP journals will be established, edited by well-respected specialists, who will be paid.

The PC agreed with these requirements, except for some reservations with regard to preprints. The PC believes in the advantages of publishing conference proceedings in time to be available at the conference.

"A "Publications Contract Statement of Requirements" was developed at the time of the GA and sent to potential publishers at the end of September. Despite its title, the document contains little in the way of requirements. The overall tone of the document is expressed as follows: "IFIP wishes to be associated with the best of practical ideas in exploiting information technology while being well aware of the difficulties and pitfalls which may beset technological pioneers." It mentions as possibilities distribution of IFIP technical papers over computer networks (accessed by index and search facilities), in the form of paper books, and on CD-ROMs. It mentions the need for higher standards of quality in IFIP publications. It also requests proposals from potential publishers for widespread electronic distribution of all IFIP abstracts. It calls attention to the need for flexibility as follows: "It is important to be able to tailor the mode and style of a publication, its marketing and its pricing, in relation to its potential customers."

The Executive Board (not the PC) will review the bids submitted by publishers and select one in January 1994, so that a contract can be signed by the end of that month.

IFIP Journals

Technical Committee chairmen were requested to make proposals for IFIP journals by December 1993. The journals are to be either new, IFIP-only publications or perhaps sections of existing journals. The editors, to be paid, must be well-known professionals. Although rapid action with regard to journals is desired, President Rolstadás told the GA that he would try to defer action, so that the March 1994 IFIP Council could participate in the discussion.

Once more, appreciation was expressed for the fine job done by Mrs. Stephanie Smit, of Elsevier. Prof. Wilfried Brauer (D) was appointed as the new PC chairman.

SHORTER GA MEETINGS IN THE FUTURE

Following the September 1993 meeting in Tokyo, the IFIP Council and General Assembly (GA) decided to continue the practice, begun at the March 1993 Council meeting, of holding 4-day meetings. The meetings were reduced from 5 to 4 days because of complaints from many attendees (especially Council members, TC chairmen, and others who attend both Council and GA) that they could ill afford the time these meetings take. In Tokyo, the GA itself was less than 11/2 days long.

Many attendees felt that insufficient time was available to debate the many important issues presented. Also, some participants were unable to take advantage of low-cost air fares that impose a minimum length of stay. On the other hand, it was possible to conduct IFIP business within the 4 days scheduled for all the meetings, and most participants seem to be satisfied with the shorter session.

The generous social program provided to participants in the September 1993 Tokyo GA may also be the last of its kind. The hospitality — cocktail party, excursion, and dinner party — was funded in part by several Japanese and international corporations. Because many smaller Member societies cannot afford to organize a social program for the GA or even the Council, they are reluctant to invite IFIP to meet in their countries. To deal with this problem and to increase the time available for IFIP work in a 4-day meeting, the Executive Board established these guidelines for future meetings:

• there should be at most one social event
• that event should be modest
• there should be no excursion

Reducing the social program, however, has some disadvantages. Much IFIP work is actually carried out at these events (debating issues, meeting IFIP colleagues, and so on), work that cannot be done over dinner with a handful of IFIP co-workers. In addition, reducing the number of social events reduces the opportunity for members of the host society and IFIP people to meet. The excursion is the only occasion that many of the participants in the GA or Council have, during their business trips, for exposure to the culture of the host country. (Most hotels where IFIP meetings are held are totally international.) Losing this exposure is a pity for both attendees and the hosts, who generally wish their guests to have some experience with the local culture.

NEW ADDRESSES FOR NEWSLETTER EDITOR AND SECRETARIAT

Please see the masthead on page 2 for the new address of the Editor of the IFIP Newsletter and the new e-mail address for the IFIP Secretariat.
A Pioneering Conference

The closing session included an evaluation of the Conference organisation and content. Participants unanimously regarded the Conference as very timely and a big success and urged that a HELINA 96 be planned. The atmosphere of enthusiasm and pioneering was particularly noted. HELINA 93 shed light on the geographic and substantive spread of informatics in health care in Africa, which was beyond what was believed before. A typical comment was, "I didn't know there was so much health informatics in Africa — and carried out mainly by Africans." It was also appreciated that, contrary to the situation in most scientific conferences, the presentations in HELINA 93 were not just academic treatises but oriented towards social objectives: Health for All. The combination of a training event and a scientific event, through tutorials and submitted papers, was appreciated and recommended to be followed in the future. The future HELINAs are to include more hands-on sessions and demonstrations, possibly preceded by national workshops and symposia.

It can be confidently stated that one of the most tangible long-term outcomes of HELINA 93 was the establishment of informal links within a clearly evident health informatics community in Africa. Good and bad experiences were exchanged, common concerns identified, and contacts and plans for collaboration created. The participants unanimously stressed that HELINA 93 would be recalled as a major catalyst for the development and sharing of improved policies, procedures, systems, facilities, and human resources for the relevant informatics support to healthcare in Africa.

**TELETEACHING continued from page 3**

Send a message to this address and write only "help" in the Subject field to receive the necessary help on how to use the server. The server also contains information about WG3.6. Another useful address is janw@ifi.unit.no.

Jan Bredeveien (N) was chairman of the TeleTeaching 93 Organizing Committee, and Bjorn Ranum (N) was chairman of the Steering Committee.

* Director-Advisor on Informatics, WHO, Geneva, and Chairman of HELINA 93 Scientific Programme Committee
** Head of Computer Science Dept., Obafemi Awolowo University, Ile-Ife, Nigeria, and Chairman of HELINA 93 Local Organizing Committee
† Senior Researcher, Univ. of Kuopio, Finland, and Chairman of HELINA 93 Overseas Bureau

African countries that intended to send participants to do so.

### AUTONOMOUS DECENTRALIZED SYSTEMS

by Dr. Kinji Mori (J)*

The First International Symposium on Autonomous Decentralized Systems (ISADS) 93 was successfully held in Kawasaki, Japan, March 30–April 1, 1993. It was sponsored by the Computer Society of the Institute of Electrical and Electronics Engineers (U.S.A.), the Information Processing Society of Japan, and The Society of Instrument and Control Engineers of Japan, in cooperation with IFIP and the International Federation of Automatic Control. There were 286 participants from 15 countries.

ISADS 93 was the first international symposium devoted to the subject of Autonomous Decentralized Systems (ADS) and their applications. ADS is a system concept in which each component works independently while cooperating with the other components in order to function as a total system. ADS ensures on-line properties: on-line expansion, on-line maintenance, and fault tolerance. ADS is based on the individual intelligence of each component; there is no master-slave relationship among the components. Therefore, the functions can be modified by adding, modifying, or deleting components while the whole system is operating.

The purpose of this Symposium was to provide a forum for researchers, developers, and users around the world to present their latest results and experience and to discuss the future trends of ADS and their applications.

The program consisted of three keynote addresses, three plenary panel discussion sessions, and 18 technical paper sessions that included 13 invited papers and 41 submitted papers (chosen from the 115 offered). In addition to the sessions at the Symposium site, there was a plant tour showing two ADS applications: the Shinkansen (bullet train) General Control Center and a major automated steel production system of the Kawasaki Steel Corporation.

The Symposium was chaired by Stephen Yau (USA), who served as chairman of the Organizing Committee of IFIP Congress’89, Masanori Ozeki (J), an IFIP trustee, and Atsunobu Ichikawa (J). The Symposium continued on page 10

* Executive Secretary of ISADS 93
IFIP NEWSLETTER CELEBRATES TENTH ANNIVERSARY

by Dr. Jack Rosenfeld (USA), Editor

With this issue, we celebrate the tenth anniversary of the IFIP Newsletter, which first appeared in November 1983. Today, the Newsletter is a 16-page quarterly publication, with 4500 copies mailed to the IFIP community and additional copies distributed to participants at IFIP events. It began, however, with more modest goals.

Early in 1983, Prof. Herbert Freeman (USA) was given a mission by the IFIP Council to approach me to determine whether I would be interested in creating a new newsletter for IFIP. A need was felt for a newsletter to keep the IFIP community informed of events taking place in the Federation and to let others know what IFIP was doing. Since I had experience as an editor and prior connection with IFIP, it was thought that I might be able to do the job.

I had served on the U.S. Committee for IFIP Congress '71 (Prof. Freeman was chairman), had been Editor of the proceedings of IFIP Congress '74 (Prof. Freeman was chairman of the International Program Committee), and had been Associate Editor of the proceedings of Congress '71. I had also attended all IFIP Congresses since 1965, except for 1980.

I willingly agreed to prepare a proposal for a newsletter. With considerable help from Mr. George Glaser (USA), then a vice-president, and Mme. Gwyneth Roberts, Administrative Manager, I proposed a newsletter to the September 1983 IFIP General Assembly in Paris. At that time, Prof. Ashley Goldsworthy (AUS), then chairman of the Activities Planning Committee, cautioned that the newsletter should not contain substantive technical articles, only news. That warning has been heeded. Prof. Asbjørn Rolstadås (N), then chairman of TC5, cautioned that the size should be no more than 8 pages, lest nobody read it. Unfortunately, over the years, the size has crept up to 16 pages. The GA accepted the proposal, the first issue was published that November, and we were "off and running."

I'm grateful for the support I've received in this endeavor: from my employer, the International Business Machines Corporation, which encourages my participation in many significant ways; from Mrs. Stephanie Smit of Elsevier/North-Holland (they print the Newsletter gratis), who has labored to ensure that my interface with the printer is free of problems; from Mme. Roberts and Mrs. Ruth Lawson of the IFIP Secretariat, who provide extensive support; and from the IFIP GA and the Newsletter readers, who give me continual encouragement.

Prof. Rolstadås, now president of IFIP, kindly invited IFIP Member societies to celebrate this anniversary by sending their pins or other society mementos for presentation to me at the Tokyo GA this past September. Many did so, and I was very touched and delighted to receive their letters and gifts. To all those who responded: I am grateful to you for your kind wishes.

IFIP CONGRESS '94 continued from p. 1

Accommodations

Bistros, restaurants, and cafes abound in Hamburg, renowned for its wide selection of fish restaurants. It also presents an international cuisine, especially in the neighborhood of the CCH, where one finds many restaurants of all styles and sizes.

In general, the hotel situation is very good. Within walking distance of the CCH are many low-priced hotels and pensions, as well as some of the most elegant hotels in Hamburg. Moreover, the extensive public transportation system (underground, city trains, and buses) will allow delegates to reach hotels or pensions in other parts of Hamburg easily and quickly.

For those who register in June or earlier, there probably will be inexpensive pensions for $35 U.S. and hotels for as little as $70. Since IFIP Congress '94 will take place during university vacation time, quite a few of the 4000 student dormitory rooms in Hamburg will be available for Congress participants.

Hamburg can be reached quickly and easily in a few hours by car or train from all parts of Germany, Denmark, southern Sweden, the Netherlands, and Belgium. High-speed trains connect all major cities; trips between Hamburg and Frankfurt or Berlin take only 31/2 hours by train. Hamburg is only a few hours by plane from any city in Europe. One may also take an overnight ferry from London, Stockholm, or Helsinki to Hamburg.

More information about Hamburg and the Congress may be obtained from the Congress Secretariat:

Congress Centrum Hamburg
Congress Organisation
P.O. Box 30 24 80
D-20308 Hamburg, Germany
fax: +49.40.3569.2343
Telex: +212609

Reports to the General Assembly

The Congress organizers reported to the GA that they expect an attendance of at least 1000 participants. They requested a loan of 50 000 Swiss francs from IFIP (to ameliorate cash-flow problems), which was approved by the GA.

The Congress International Program Committee (IPC) announced that many invited and keynote speakers have already accepted invitations to participate in the Congress. Their report stated, "When participants register for the Congress, they will be given the option to sign up to participate in one of the issues 'workstreams' on days 3-5, or they will have the option to 'freelance.' If they want to sign up for a 'workstream,' they will be given a list of sessions they should attend to prepare them to participate intelligently in the discussions and Action Agenda formulation...Participants will be able to meet with 'expert' and 'specialist' invited speakers during lunch, for the duration of the Congress." Further details of the program can be found on page 1 of the June 1993 IFIP Newsletter.

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| TC3: | P. Bollerslev | DK 91-94 |
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| SG15: | M. Novak | GB 93-96 |
VISUALIZATION IN SCIENTIFIC COMPUTING USED IN UNIVERSITY EDUCATION
by drs. Tom J. van Weert (NL)*

Visualization in Scientific Computing: Uses in University Education was the title of a Working Conference sponsored by IFIP’s Working Group on Informatics Education at the University Level (WG3.2), held 28-30 July 1993 in Irvine, California. Approximately 45 attended. The presentations fell into either the category of computer science (Informatics) or the category of scientific computing in another discipline, often a computing discipline (Informational Discipline). This dichotomy between Informatics and Informational Disciplines (computer science and computing sciences) has developed over the years and is now quite apparent. Scientific visualization is an important part of both fields. Informatics plays a role in Informational Disciplines in the areas of modelling, data structures, programming, software engineering, and human interfacing. Scientific visualization is related to the areas of modelling and human interfacing, and has a strong Informational-Discipline—based component. An example is the visualization of microscopic molecular worlds.

Several examples of visualization (or multi-media presentation) in different disciplines were presented at the conference. Also several visualization tools in support of programming were presented. There were theoretical presentations as well as papers on visualizations in education.

The conclusion was drawn that scientific visualization is a powerful tool in learning in many Informational Disciplines (computing sciences); however, the tool is only sparingly used in Informatics education (e.g., dynamic visualization of programming concepts). Visualization supports learning by students, enabling them to reflect on dynamic concepts. The most effective and motivating way is to let students in Informatics design and implement their own visualizations. Visualization also has a role to play in Application Oriented Informatics education. It bridges the gap between Informatics and Informational Disciplines. Applications-oriented informaticians need to develop visualization skills to be able to communicate with designers or users from other disciplines.

The Conference began with a keynote presentation by Troy Nagel, President-Elect of the U.S. Institute of Electrical and Electronics Engineers (IEEE), on the role of IEEE in a world dominated by technological change.

The International Program Committee was chaired by Bernard Levrat (CH), chair of WG3.2, and the Organizing Committee by Stephen Franklin (USA). Proceedings, edited by Franklin and Alan Stubberud (USA), will be published by Elsevier/North-Holland by the end of 1993.

SECRETARY GENERAL cont. from p. 2

use of e-mail, and integration of all systems. It is expected that the Secretary General will relieve the IFIP secretary and treasurer of much of their routine activities, including managing the IFIP budget.

The third role, implementing decisions, is intended to make IFIP a more effective organization, operating continuously rather than in spurts. Often one hears the complaint that all IFIP work seems to occur within the two-week periods preceding the March Council meeting and the September GA. Although hyperbole, this charge carries an element of truth. It is anticipated that the Secretary General will assist IFIP volunteers to carry out their work throughout the year, reminding them of tasks that require attention and providing assistance in completing the tasks.

An added job, and a major one, for the Secretary General is to manage IFIP publication activities

The Executive Board is proceeding to hire someone as Secretary General. The position is to be part-time (approximately 40%) and filled by January 1994. The GA decided that a two-year contract should be offered, with an option that permits cancellation after six months. The Council will make that decision in March 1994. (At the time of the Council meeting, the new Secretary General is expected to present the results of her or his study for reorganization of the Secretariat and other economies.) It was pointed out that because of the excellence of contemporary international communication, it is not essential that the Secretary General live in the vicinity of the Secretariat.

It was also announced to the GA that Mme. Gwyneth Roberts, who has served with acclaim as Administrative Manager of the Secretariat since January 1975, will reach retirement age and retire in February 1995. This development lends urgency to the steps now being taken with regard to the Secretariat.

ISADS 93 continued from page 7

Program Committee was chaired by Domenico Ferrari (USA). The proceedings were edited by Doo Hwan Bae (USA) and published by the IEEE Computer Society Press. The Operation Committee chair was Singi Domen (J), and the Executive Secretary was Kinji Mori (J).

At a meeting for future ISADS, it was decided that ISADS will be held every two years. The United States, Europe, and Asia will host this international symposium in turns. ISADS 95 is planned for the San Francisco Bay area of California, April 10-12, 1995. For more information on ISADS 95, please contact Stephen S. Yau (yau@cis.ufl.edu) or Kinji Mori (kmori @ sdl.hitachi.co.jp).

On Line IFIP Database
All readers are reminded that a database of IFIP information (including this Newsletter) is now available through international computer networks. Access is possible via ftp from the repository at software.watson.ibm.com and via ordinary e-mail from the listserv@earrn (Bitnet) repository. In addition, the database can be accessed through GOPHER. An article giving details of how to access the database can be found on page 10 of the March 1993 IFIP Newsletter or requested from the IFIP Secretariat. Member societies of IFIP are urged to bring the IFIP database to the attention of their members.

CALLS FOR PAPERS cont. from p. 13

Eighth IFIP WG5.6 Intl. Conf. on Computer Applications in Shipbuilding — ICCAS’94 5-9 Sep 94, Bremen, Germany papers due: 30 Apr 94 contact: ICCAS 94 Intl. Programme Committee do Koeckums Computer Systems AB P.O. Box 505 55 S-202 15 Malmo, Sweden fax: +46 40 97 02 72 e-mail: iccas94@ks.cse

Sixth World Conf. on Computers in Education 23-28 Jul 95, Birmingham, U.K. papers due: 31 Jul 94 contact: WCCE/95 Margaret St. Birmingham B3 3BW, U.K. tel: 44+(0)21-428 1258, fax: 44+(0)21-428 2246

Fifth IFIP TC5 Intl. Conf. on Computer Applications in Production and Engineering —CAPE’95 22-24 Aug 95, Beijing, China extended abstracts due: 31 Aug 94 contact: Prof. Zhenhong Yang Computer Dept. Tsinghua Univ. Beijing, 100084, China fax: 861.1256768
Computer Mediated Education of Information Technology Professionals and Advanced End-Users
Proceedings of the IFIP WG3.4 Working Conference, Soest, Germany, 12-16 July 1993
Edited by B.Z. Barta, J. Eccleston and R. Hambusch
IFIP Transactions A: Computer Science and Technology Volume A-35
©1993 356 pages Paperback
Price: Dfl. 195.00 (US $ 111.50)
ISBN 0-444-81488-4

Protocol Specification, Testing and Verification, XIII
Edited by A. Danthine, G. Leduc and P. Wolper
IFIP Transactions C: Communication Systems Volume C-16
©1993 392 pages Paperback
Price: Dfl. 205.00 (US $ 117.25)
ISBN 0-444-81648-8

Advances in Production Management Systems
Proceedings of the IFIP TC6/WG5.7 Fifth International Conference, APMS ’93, Athens, Greece, 26-30 September 1993
Edited by I.A. Pappas and I.P. Tatsiopoulos
IFIP Transactions B: Computer Applications in Technology Volume B-13
©1993 646 pages Paperback
Price: Dfl. 260.00 (US $ 148.50)
ISBN 0-444-81998-8

Facing the Challenge of Risk and Vulnerability in an Information Society
Proceedings of the IFIP WG9.2 Working Conference, Namur, Belgium, 20-22 May 1993
Edited by J. Berleur, C. Beardon and R. Laufer
IFIP Transactions A: Computer Science and Technology Volume A-33
©1993 326 pages Paperback
Price: Dfl. 185.00 (US $ 105.75)
ISBN 0-444-81678-6

Computer Security
Proceedings of the IFIP TC11 Ninth International Conference on Information Security, IFIP/Sec 93, Toronto, Canada, 12-14 May 1993
Edited by E.G. Dougall
IFIP Transactions A: Computer Science and Technology Volume A-37
©1993 428 pages Paperback
Price: Dfl. 215.00 (US $ 122.75)
ISBN 0-444-81748-4

Informatics and Changes in Learning
Proceedings of the IFIP TC5/WG5.7 Fifth International Conference, APMS ’93, Athens, Greece, 26-30 September 1993
Edited by J.A. Pappas and I.P. Tatsiopoulos
IFIP Transactions B: Computer Applications in Technology Volume B-13
©1993 646 pages Paperback
Price: Dfl. 260.00 (US $ 148.50)
ISBN 0-444-81998-8

Reliability and Optimization of Structural Systems, V
Proceedings of the IFIP WG7.5 Fifth Working Conference, Takamatsu, Kagawa, Japan, 24-26 March 1993
Edited by P. Thoft-Christensen and H. Ishikawa
IFIP Transactions B: Computer Applications in Technology Volume B-12
©1993 298 pages Paperback
Price: Dfl. 175.00 (US $ 100.00)
ISBN 0-444-81605-4

IN PREPARATION:
NetWORKing: Connecting Workers In and Between Organizations
Proceedings of the IFIP WG9.1 Working Conference, Vienna, Austria, 16-18 June 1993
Edited by A. Clement, P. Kolm and I. Wagner
IFIP Transactions A: Computer Science and Technology Volume A-38
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DECEMBER 1993
CALLS FOR PAPERS

IFIP Work. Conf. on Programming Concepts, Methods and Calculi — PROCOMET’94
6-10 Jun 94, San Miniato, Italy
papers due: 1 Dec 93
contact: Prof. Dr. E.–R. Olderog
FB Informatik
Univ. Oldenburg
Postfach 2903
D-2900 Oldenburg, Germany
IFIP WG9.3 Work. Conf. on Home-Oriented Informatics, Telematics and Automation
27 Jun-1 Jul 94, Copenhagen
abstracts due: 1 Dec 93
contact: Kresten Brøn Bjer or Bjørn Nace
Psychological Laboratory
Univ. of Copenhagen
88 Njalsgade
DK 2900 Copenhagen S, Denmark
tel: +45 31 54 18 56, fax: +45 32 96 31 38
c-mail: kresten@vax.pdl.ku.dk
IFIP TC5 & WG5.3 Intl. Conf. on Feature Modeling and Recognition in Advanced CADCAM Systems
24-26 May 94, Valenciennes, France
papers due: 15 Dec 93
contact: M. Dominique Deneux
Laboratoire d’Automatique et de Mécanique Industrielles et Humaines
Université de Valenciennes
Le Mont Houy – BP 311
59304 Valenciennes Cedex, France
tel: (+33) 27 14 13 55, fax: (+33) 27 14 12 88
c-mail: deneux@univ-valenciennes.fr
Nineteenth IFAC/IFIP WG5.4 Workshop on Real Time Programming — WRTP ’94
22-24 Jun 94, Isle of Reichenau, Germany
extended abstracts due: 31 Dec 93
contact: W.A. Halang
Fern Universität
Faculty of Electrical Engineering
D-58084 Hagen, Germany
tel: +49 231-987-372, fax: +49 231-987-375
c-mail: wolfgang.halang@fernuni-hagen.de
Thirteenth World Computer Congress: IFIP Congress ’94
28 Aug-2 Sep 94, Hamburg, Germany
papers due: 14 Jan 94
contact: IFIP ’94
c/o Congress Centrum Hamburg
Congress Organisation
P.O. Box 30 24 80
W-2000 Hamburg 36, Germany
tel: +49 40/35 69-22 42, fax: +49 40/35 69-23 43
telex: +212 609
IFIP WG8.1 Conf. CRIS 94 — Methods and Associated Tools for the Information Systems Life Cycle
26-28 Sep 94, Maastricht, The Netherlands
papers due: 15 Jan 94
contact: CRIS 94 Conference Secretariat
attn. Mrs. Miekje van Zutphen
Univ. of Limburg
Faculty of Economics and Business Administration
P.O. Box 616
6200 MD Maastricht, The Netherlands
tel: +31 43-883656, fax: +31 43-258495
c-mail: cris94@be.rulimburg.nl
Fifth IFIP WG9.1 Conf. on Women, Work and Computerization — WWC’S’94
2-5 Jul 94, Manchester, U.K.
papers due: 13 Jan 94
contact: Alison Adam
IFIP WWCS’95
Dept. of Computation
UMIST
P.O. Box 88
Manchester M60 1QD, U.K.

FUTURE IFIP MEETINGS

GENERAL ASSEMBLY AND COUNCIL (and related meetings)
Council
28 Feb-3 Mar 94 (Mon.–Thurs.)
GA
3-6 Sep 94 (Sat.–Tues.)
GA (continguous to IFIP Congress ’96)
GA (continguous to IFIP Congress ’98)

TECHNICAL COMMITTEE AND WORKING GROUP MEETINGS *
TC2
25-26 Aug 94 (tentative)
WG2.1
24 Jan 94
WG2.2
6-10 Jun 94 (with conf.)
WG2.3
same
WG2.4
23-27 May 94
WG2.7
Feb 94 (tentative, with seminar)
April/May 94
WG2.8
mid 94
TC3
26-27 Aug 94
22-29 Jul 95 (with WCCE ’95)
TC6
22-23 Apr 94
7-8 Oct 94 (with SEACOMM conf.)
23-24 Mar 95 (with conf.)
95 (under study)
TC7
17 Dec 94
TC8
8-12 May 94 (with conf.)
WG8.4
same
WG8.5
May 94 (under study)
TC9
27-28 Aug 94
WG9.1
21-26 Feb 94 (with conf.)
WG9.2
14 Jan 94
WG9.3
23-24 Jul 94 (provisional)
WG9.4
June 94 (provisional)
WG9.4
4-6 Mar 94
TG10
Mar 94 (under study)
WG10.2
second quarter 94 (under study)
WG10.4
7-8 Jun 94
Jun 94
TC11
21-22 May 94 (prior to IFIP/SEC’94)
TG10.3
21-25 May 94 (with conf.)
TG10.4
Nov 94 (with workshop)
TG12.2
April 94
July 94
TG12.2
April 94
Sept 94

* 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.

IFIP WG5.7 Workshop on Benchmarking — Theory and Practice
16-18 Jun 94, Trondheim, Norway
papers due: 1 Feb 94
contact: Solfried Sorensen
SINTEF Prod. Eng.
R. Birkelandstr. 2B
N-7034 Trondheim, Norway
tel: +47 7 592 799, fax: +47 7 597 043

IFIP WG10.3 and ACM Intl. Conf. on Parallel Architectures and Compilation Techniques — PACT ’94
24-26 Aug 94, Montreal, Canada
extended abstracts or papers due: 4 Feb 94
contact: Prof. Guang R. Gao
McGill Univ.
School of Computer Science
3480 University St.
Montreal, Canada H3A 2A7
tel: 1 (514) 398-4446, fax: 1 (514) 398-3883
c-mail: PACT94@acacs.mcgill.ca

Third IFIP WG10.5 Intl. Workshop on Hardware/Software Codesign — Codes/CASHE ’94
papers due: Feb 94
contact: Alexander Seidlmeier
Siemens AG, Corporate R&D
Otto-Hahn-Ring 6
81730 Munich, Germany
tel: +49 89 636 46882, fax: +49 89 636 45111
c-mail: codes@etzvax.zfe.siemens.de

Eighth IFIP WG11.3 Work. Conf. on Database Security
23-26 Aug 94, Hildesheim, Germany
papers due: 14 Mar 94
contacts:
Matthew Morgenstem
Xerox Design Research Institute
Cornell University
5144 Upson Hall
Ithaca, NY 14853, U.S.A.
fax: +1 607 2554 742
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Samelsonplatz 1
D-3200 Hildesheim, Germany
tel: +49 5121 883732

dcontinued on page 10
NEW APPOINTMENTS

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GA rep. of The Czech Republic: Dr. J. Dolezal
Institute of Information Theory & Automation
Academy of Sciences of The Czech Republic
P.O. Box 217
NL-7500 AE ENSCHEDE, The Netherlands
tel: +31 53 893642, fax: +31 53 356531
e-mail: collins@dke.dke.enschede.nl

WG6.3 chairman: Mr. J. Wibe
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tel: +47 7 5965399, fax: +47 7 596637
(succeeding G. Kowars)

WG6.3 vice-chairman: Mr. G. Davies
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e-mail: g.davies@open.ac.uk
(succeeding H. Maurer)

WG11.8 vice-chairperson: Prof. Louise Yongstrom
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Univ. of Stockholm
S-106 91 Stockholm, SWEDEN

WG12.3 vice-chairman: Mr. B. Nebel

WG12.5 chairman: (Knowledge-Oriented Development of Applications)
Prof. J. Cyesa
Facultad de Informatica
Universidad Politecnica
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e-mail: neumann@informatik.uni-hamburg.de
(succeeding G. Barth)

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(succeeding I. Neumann)

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School of Informatics
Faculty of Mathematics & Informatics
University of Nijmegen
P.O. Box 9010
NL-6500 GL NIJMEGEN, The Netherlands
tel: +31 80 652365 or 652084, fax: +31 80 553450
e-mail: school@cs.kun.nl

WG3.5 vice-chairperson: Dr. Betty Collins
Dept. of Education
University of Twente
P.O. Box 217
NL-7500 AE ENSCHEDE, The Netherlands
tel: +31 53 893642, fax: +31 53 356531
e-mail: collins@dke.dke.enschede.nl

WG8.2: R. van den Berg (NL) R. Kusters (NL)
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M. Janson (USA) S. Little (AUS)
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J. Kaasboll (N) E. Trauth (USA)

WG8.3 B. Andersson (S) E. Hallberg (S)
A.T. Berzriss (USA) G. Mentzas (GR)
A. Davies (JRL) H. Postma (NL)
A. Gianetti (I) V. Savolainen (SF)

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T. Kacelae L. Suchman

WG9.2 E. Hou tepen (NL)

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TC9: Dr. W. Graefendorf

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TC3: Prof. P.S. Grover (IND), succeeding B. Nag
Mr. J. Wibe (N), succeeding A. Staup
TC7: Dr. R.K. Bagge (IND), succeeding D.K. Subramanian
TC8: Dr. G. Szephalmi (H), succeeding K. Garab
Mr. S.S. Chatterjee (IND), succeeding G. Kalyanasundaram
TC9: Mr. S.S. Chatterjee (IND), succeeding S. Arff
WG2.4: M. Lemone (F)
WG2.7: G. Abowd (GB), succeeding B. Nag
R. Kazman (GB) L. Nigay (F)
WG2.8: J. Lauchbury (GB)
TG3: Prof. Dr. Ir. B. Fortrie

WG5.3 vice-chairman: Dr. M. Robinson

WG9.4 vice-chairperson: Dr. M. Odedra-Straub

ADDRESS AND OTHER CHANGES

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E-mail: IFIP@uni2.unige.ch
(effective 1 January 1994)

Member Society: British Computer Society
E-mail: beswill@ict4.compulink.co.uk
(attn. Mr. A. Wilkes)
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SG14 chairman: Prof. J. Gruka
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<th>Event</th>
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<tr>
<td>Conf. on Asia Pacific Information Technology in Training and Education — APITITE’94</td>
<td>28 Jun-2 Jul 94</td>
<td>Brisbane, Australia</td>
<td>ACS, IFIP TC3, et al.</td>
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<tr>
<td>Fifth Conf. on Women, Work and Computerization — WWCS’94</td>
<td>2-5 Jul 94</td>
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<td>Work. Conf. on Information Technologies in Educational Management</td>
<td>4-8 Jul 94</td>
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<tr>
<td>Work. Conf. on Interactive Multimedia in University Education: Designation for Changes in Teaching and Learning</td>
<td>6-8 Jul 94</td>
<td>Melbourne, Australia</td>
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<td>IMACS World Congress ’94</td>
<td>11-15 Jul 94</td>
<td>Atlanta, GA, U.S.A.</td>
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<tr>
<td>Work. Conf. on Information Technology and New Emergent Forms of Organizations</td>
<td>13-15 Aug 94</td>
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<tr>
<td>Eighth Work. Conf. on Database Security</td>
<td>23-26 Aug 94</td>
<td>Hildesheim, Germany</td>
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<td>Intl. Work. Conf. on Parallel Architectures and Compilation Techniques — PACT’94</td>
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<tr>
<td>IFIP Congress ’94 — Thirteenth World Computer Congress</td>
<td>28 Aug-2 Sep 94</td>
<td>Hamburg, Germany</td>
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<tr>
<td>Eighth Intl. Conf. on Computer in Automation of Shipyard Operations and Ship Design — ICCAS’94</td>
<td>5-9 Sep 94</td>
<td>Bremen, Germany</td>
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<tr>
<td>Symp. on Robot Control — SYROCO ’94</td>
<td>19-21 Sep 94</td>
<td>Capri, Italy</td>
<td>IFAC/IFIP WG7.6, IMACS</td>
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<tr>
<td>Work. Conf. on Comparative Review of Information Systems Methodologies Revisited — CRIS’94</td>
<td>26-28 Sep 94</td>
<td>Maastricht, Netherlands</td>
<td>IFIPWG8.1</td>
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<tr>
<td>Work. Conf. on Expert Systems in Computer Integrated Manufacturing</td>
<td>? Sep 94</td>
<td>Kiev, Ukraine</td>
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<tr>
<td>Third Intl. Workshop on Hardware/Software Codesign — Codes/CASHE ’94</td>
<td>? Sep 94</td>
<td>Grenoble, France</td>
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<tr>
<td>Second Symposium on Artificial Intelligence in Real Time Control</td>
<td>3-5 Oct 94</td>
<td>Valencia, Spain</td>
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<tr>
<td>Conf. on South East Asia Communications ’94 — SEACOMM ’94</td>
<td>4-6 Oct 94</td>
<td>Kuala Lumpur, Malasia</td>
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<tr>
<td>Work. Conf. on Integrating Information on Technology into Education</td>
<td>? Oct 94</td>
<td>Barcelona, Spain</td>
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<tr>
<td>Workshop on Large Scale Stochastic Programs: Applications and Solutions</td>
<td>? Oct 94</td>
<td>Jalta, Russia</td>
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<tr>
<td>Fourteenth Intl. Conf. on Information Systems — ICIS ’94</td>
<td>15-17 Dec 94</td>
<td>Vancouver, Canada</td>
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<tr>
<td>Work. Conf. on Change-Point Detection</td>
<td>? 94</td>
<td>Vilnius, Lithuania</td>
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<tr>
<td>Work. Conf. on Approximations and Applications in Stochastic Programming</td>
<td>? 94</td>
<td>Tallinn, Estonia</td>
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<tr>
<td>Workshop on Stochastic Methods and Global Optimization</td>
<td>12-15 Jun 95</td>
<td>Vilnius, Lithuania</td>
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<tr>
<td>Seventeenth Conf. on System Modelling and Optimization</td>
<td>10-14 Jul 95</td>
<td>Prague, Czech Republic</td>
<td>IFIP TC7</td>
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<tr>
<td>World Conf. on Computers in Education — WCCE ’95</td>
<td>23-28 Jul 95</td>
<td>Birmingham, U.K.</td>
<td>IFIP TC3 BCS</td>
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<tr>
<td>Eighth IMIA World Congress on Medical Informatics — MEDINFO’95</td>
<td>23-28 Jul 95</td>
<td>Vancouver, B.C., Canada</td>
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<tr>
<td>Fifth Intl. Conf. on Computer Applications in Production and Engineering — CAPE’95</td>
<td>22-24 Aug 95</td>
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<td>Intl. Conf. on Computer Hardware Description Languages and Their Applications — CHDL’95</td>
<td>? Aug 95</td>
<td>Tokyo, Japan</td>
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<tr>
<td>IFIP Congress ’96 — Fourteenth World Computer Congress</td>
<td>2-6 Sep 96</td>
<td>Canberra, Australia</td>
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<tr>
<td>Thirteenth IFAC World Congress ’96</td>
<td>? 96</td>
<td>San Francisco, CA, U.S.A.</td>
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<td>IFIP Congress ’98 — Fifteenth World Computer Congress</td>
<td>23-29 Aug 98</td>
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Please see page 13 for schedule of IFIP administrative meetings. The IFIP Secretariat can furnish details of most of the events listed.
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<td>Orlando, FL, U.S.A.</td>
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<td>First Asia Pacific Conf. on Hardware Description Languages, Standards and Applications — APCHDOLSA’93</td>
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<td>Work. Conf. on Numerical Analysis and Optimization</td>
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<td>Seminar on Current Topics in Programming Methodology</td>
<td>10-21 Jan 94</td>
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<td>Intl. Workshop on Stochastic Programming: Algorithms and Models</td>
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<td>Conf. on Evaluation of Production Management Methods</td>
<td>21-24 Mar 94</td>
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<tr>
<td>Intl. Conf. on Information Networks and Data Communications — INDC’94</td>
<td>18-21 Apr 94</td>
<td>Funchal (Madeira Isl.), Portugal</td>
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<td>Intl. Conf. on Applications in Parallel and Distributed Computing</td>
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<tr>
<td>Seventh Intl. Conf. on Modelling Techniques and Tools for Computer Performance Evaluation</td>
<td>4-6 May 94</td>
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<td>Work. Conf. on Information Systems Integration — TC8AUS</td>
<td>8-12 May 94</td>
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<td>23-27 May 94</td>
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<td>Second Work. Conf. on Reconstituting OIKOS: Home-Oriented Informatics, Telematics and Automatics — HOIT-2</td>
<td>27 Jun-1 Jul 94</td>
<td>Copenhagen, Denmark</td>
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