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**COUNCIL MEETING**

**TRONDHEIM**

**4 - 6 March 1992**

ATTENDANCE

**COUNCIL MEMBERS PRESENT**

Bl. Sendov	President
A. Rolstadås	President-Elect
G.J. Morris	Vice-President
A. Balasubrahmanian	Vice-President
A.W. Goldsworthy	Vice-President
H.L. Funk	Vice-President
J.C. Fourot	Secretary
A. Melbye	Treasurer
M. Tienari	Trustee
K. Bauknecht	Trustee
A. Alvarez-Rodriguez	Trustee
D. Dolan	Trustee
G.R. Fairall	Trustee
M. Ozeki	Trustee
D. Khakhar	Trustee
W. Brauer	Trustee/ C*92 PC, C'94 OC

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### **TC/SG CHAIRMEN PRESENT**

M. Tomljanovich	TC	5
P. Thoft-Christensen	TC	7
G.B. Davis	TC	8
K. Brunnstein	TC	9
W.J. Caelli	TC	11
R. Meersman	TC	12
B. Shackel	TC	13
J. Gruska	SG	14

### **COMMITTEE CHAIRMEN/OFFICERS PRESENT**

Rosa Alonso	Chairman - Congress 92 OC
A.A. Verriijn-Stuart	Chairman - Publications Committee
P. Nedkov	Contracts Officer
J.L. Rosenfeld	Newsletter Editor

### **OBSERVERS PRESENT**

N. Hoeg	President - Norwegian Computer Society
P. Begby	Norwegian Computer Society
Anne Hofstad	Norwegian Computer Society
K. Lindelien	Norwegian Computer Society
T. Hallgren	IAPR
J. Brosveet	IASC
C. Guy	Member - MC
G. Sacerdoti	Member - AMB
Lee Poh Aun	Malaysian Nat. Computer Confederation
Stephanie Smit	Elsevier
M. Tanaka	Assistant to M. Ozeki

### **IN ATTENDANCE**

Gwyneth Roberts	IFIP Secretariat, Geneva
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### **SECRETARIAT**

Solveig Hove	Norwegian Computer Society
Liv Sodahl	Norwegian Computer Society
Tone Rolstadas	Norwegian Computer Society

## 1. CALL MEETING TO ORDER

The President opened the Council Meeting and greeted all participants.

He expressed his appreciation to the Norwegian Computer Society (NCS) Messrs. Hoag (NCS President), Rolstadas (NCS GA representative) and to Mesdaraes Hofstad, Hove and Sodahl for the excellent facilities and hospitality.

Mr. Hoeg welcomed the IFIP Council to Norway - a small country of ca. four million inhabitants of which a large number were involved in informatics and members of NCS. He referred to the IFIP TC 3 Int. Conference on "Teleteaching", August 1993 in Trondheim and encouraged everyone to publicize the event.

Mr. Fourot announced that all Council Members were present Excuses had been received from TC Chairmen: Poole/TC2, Bollerslev/TC3, Spaniol/TC6 and Reijns/TCIO.

## 2. APPROVAL OF AGENDA

Council unanimously APPROVED the Agenda.

## 3. APPROVAL OF PREVIOUS MINUTES (C2 Harare 91)

Council unanimously APPROVED the Minutes.

## 4. EXECUTIVE BOARD REPORTS

### 4.1 REPORT OF THE PRESIDENT

The President referred to the Executive Board Meeting which had just taken place and advised that many of the points covered would be brought up during the course of the Council Meeting. He underlined a few issues: the possibility of suppressing the first quarter Council Meetings and the advent of new Members due to changes in the world - particularly in the former Soviet Union and the third World.

### 4.2 REPORT OF THE SECRETARY

Mr. Fourot drew attention to his report and, in particular, to the question of the Membership of Cuba which had expressed a sharp desire to remain within IFIP and attempt to settle its financial commitment. CLEI was also in arrears with its Dues and those situations would be re-assessed at the next GA Meeting in Spain.

ICCC had renounced its intention of utilizing the services of the IFIP Secretariat

Referring to the 'Continuing Action List' of 20 February 1992, Mr. Fourot advised that a major number of items had been liquidated during the TA meeting; however, he requested concerned parties to review the remaining points.

ACTION

### 4.3 REPORT OF THE TREASURER

Mr. Melbye presented his report, TREAS-1 dated 22 February 1992, which highlighted the results for 1991 (a realized surplus of CHF 216,000 against a budgeted deficit of nearly CHF 25,000 - due to CHF 170,000 higher income and CHF 70,000 less expenses).

He drew attention to the following documents as per 31 December 1991:

- TREAS-2 (Treasurer's Report to Finance Committee)
- TREAS-3 (Detailed IFIP Finances 1991)
- TREAS-4 (Membership Dues Report)
- TREAS-5 (IFIP Portfolio Valuation Report)
- TREAS-6 (IFIP Event Financial Report)

Careful administration by budget holders was requested for 1992 as TREAS-7 (the 1992 Budget as adopted by GA 91) implied a deficit of CHF 42,000.

ACTION

Mr. Melbye mentioned that the GA 91 decision to change the Portfolio from international to CHF had been implemented during the last quarter of 1991.

Commenting upon the General Fund which amounted to CHF 1.25 M at the end of 1991, he recalled that it included the former Contingency and Activity Development Funds. It was well over twice the expense level for 1991 and thus complied with the financial target previously established.

The President thanked Mr. Melbye for his excellently presented reports and Council expressed its appreciation with a VOTE OF THANKS.

#### 4.4 OTHER SUBJECTS SELECTED DURING THE EB MEETING

Mr. Goldsworthy referred to the suggestion evoked by the Danish Computer Society - to dispense with the first quarter Council Meeting. He felt it was only fair to have an open discussion on same. The following points were expressed:

- Mr. Goldsworthy - spoke strongly in continuing with the CM; he considered it essential to have two face-to-face Meetings per year.
- Mr. Tienari - felt much time, money and paper could be economized by suppressing the CM; he underlined that those members of Council, who were Cognizant Officers, also gave up their time to attend TC meetings.
- Mr. Fourot - fully supported the comments of Mr. Goldsworthy.
- Mr. Rolstadås - considered it was most important to hold EB and TA meetings in the first quarter, even if the CM were dispensed with.
- Mr. Thoft-Christensen - favoured the suggestion of the Danish Computer Society; as a TC Chairman, he felt too much time was expected of them.
- Mr. Goldsworthy - added that, due to the creation of TA, maybe the TC Chairmen could be excused from attending the CM.
- Mr. Tomljanovich - believed that the TA meeting was very important for TC Chairmen - much more advantageous than CM's and GA's. He considered that two TA meetings per year were essential to cope with the very fast-moving technological factors. He proposed that TC Chairmen attend TA and the Cognizant Officers report on their behalf to CM's and GA's.
- Mr. Verrijn-Stuart - said that TC Chairmen should appreciate the TA meetings where they were involved in policy-making.

- Mr. Bauknecht - felt there was too much repetition in all the meetings.
- Mr. Rolstadås - explained that directives had been given to the TC Chairmen to submit different reports to TA and CM in order to avoid repetition - strategical matters would be discussed in TA and administrative issues in Council.
- Mr. Gruska - proclaimed that it was very necessary for him to talk to people and felt two CM's were very essential.
- Mr. Brauer - wondered if a better usage of the time for meetings could be made - maybe dispensing with the excursion.

Mr. Melbye, on behalf of the Danish Computer Society, thanked everyone for their views which he would convey to it.

The President said EB would look into the matter of how to arrange future meetings more effectively. Maybe TC Chairmen need only attend TA, but he gathered that the majority of people felt the first quarter CM should not be abolished.

ACTION

## 5. TECHNICAL ASSEMBLY

Mr. Rolstadås referred to the TA meeting which had taken place the previous day and to his report TA-1.

He highlighted certain points which had been discussed:

- TC 2 - TA had approved revised Aims and Scopes for WG's 2.1 and 2.4 (Refer to Annexe I to these Minutes)
- TC 3 - was considering launching a new WG in the field of "Gender Issues and Educational Computing" following a Workshop to be held during Congress 92.
- TC 5 - WG 5.4 would probably change its name to "Software Quality". Mr.

Tomljanovich would collaborate with TC 2 and present a proposal for a new ACTION Aim and Scope at the next TA.

WG 5.10 was regularly publishing through Springer and TC 5 felt urgent need for the establishment of a formal contract The Publications Committee had been asked to pursue the matter.

ACTION

WG 5.11 on "Technology for the Environment" had been provisionally established at the last TA and was merging with the Task Force on "Ecology" to present a final Aim and Scope at the next TA

ACTION

- TC 6 - had adopted a policy of creating Task Forces to deal with emerging 'hot topics' which might eventually develop into WG's.
- TC 7 - wished to have more countries involved in TC 7, and TA urged those Member Societies not represented to nominate candidates. A revised Aim and Scope for WG 7.1 would be presented at the next TA

ACTION

TC 8 - was aiming for its WG's to each hold one Working Conference per year and would continue to develop co-sponsorship relations with National and Regional Conferences. TA felt that more TCs could follow that example. ACTION

TC 9 - was still working on a final Aim and Scope for WG 9.6 which would be presented at the next TA. In that respect, it was suggested that TC 11 try to narrow the Scope of the re-established WG 11.7 by not using the word 'legislation' in its name. ACTION

The status of the "IFIP Code of Ethics" had been discussed. It appeared that some Member Societies had responded rather negatively to the existing proposal. TC 9 had, therefore, agreed to develop a Reference Frame including some general statements. There would be a discussion on the subject during Congress 92 following which TC 9 would report to the next TA. ACTION

TC 10 - had presented revised Aims and Scope for WG 10.6 which TA had accepted after making a slight change in the Aims. (Refer to Annexe I of these Minutes).

TC 11 - would submit revised Aims and Scopes for WG's 11.2 and 11.4 at the next TA. ACTION

It was recalled that a Task Force including the Chairmen of TCs 9 and 11 had been established at the last GA to work on a Resolution in connection with 'Reverse Engineering'. The TF's report would be submitted to the IFIP Secretariat by 1 June 1992 for distribution to all TA and GA Members. The President had been asked to invite CEPIS to participate in the work. The TC 11 Chairman was responsible for monitoring the whole matter. ACTION

TC 12 - had submitted revised Scopes for WG's 12.1 and 12.2 (the Aims would be forthcoming) and a revised Aims and Scope for WG 12.4 which TA had approved. (Refer to Annexe II of these Minutes). ACTION

Mr. Meersman would attempt to appoint a Vice-Chairman for his TC and submit updated membership lists of TC 12 and its WG's to the IFIP Secretariat for inclusion in the next edition of the Bulletin. ACTION

The role of the Scientific Advisory Group (SAG) had been discussed and it had been underlined that formal decisions were only to be taken by the TC 12 members.

TA would recommend to GA to approve the Aims and Scope of TC 12 as provisionally listed in Bulletin No. 23 of October 1991. ACTION

TC 13 - the Fourth Int. Conference on "Human-Computer Interaction", 1991 in Germany, had not been very successful from several points of view. Henceforth, TC 13 would not be involved with the HCI events.

TA had approved the Aims and Scope of a new Working Group 13.2 on "Methodology for User Centred System Design". (Refer to Annexe III of these Minutes).

SG 14 - had also expressed the need of a formal contract with Springer.

TA had approved the Aims and Scopes of the WGs 14.1, 14.2 and 14.3. It was noted that the correct names of the latter two were respectively "Descriptive Complexity" and "Foundations of Systems Specification". (Refer to Annexe IV of these Minutes).



As SG 14 had now existed for two and a half years, TA had appointed a Task Force composed of Messrs. Sendov, Gruska and Poole under the Chairmanship of Mr. Brauer. The TF would review the activities of SG 14 with the aim of considering whether it should become a permanent SG, a TC, attached to another TC or disbanded.

ACTION

ICCC - was reported to be interested in considering joint WG's with TC 6.

#### TC REVIEWS

Mr. Ozeki had presented the status of the TC Reviews to TA: TC Review was ongoing, TC 6 Review had been deferred, TC 8 and TC 9 Reviews had started.

Mr. Ozeki would arrange to submit TC Review reports to TA members before their meetings to enable them to study same prior to discussion.

ACTION

#### COMPUTING AND WOMEN

Mr. Rolstadås advised the Council that Mrs. Carpenter of the Norwegian Computer Society had been invited to present a project on 'Computing and Women' in TA.

In the ensuing discussion, the following actions were adopted:

- to encourage the Congress 94 Programme Committee to find female speakers;
- to ask TC 3 to look into the question of education of women for computer science and to focus on how female teachers could contribute in that respect.

Mr. Rolstadås said he would contact the respective Chairmen accordingly.

ACTION

#### VOTING RIGHTS FOR WG CHAIRMEN

Referring to the issue of granting voting rights to WG Chairmen in the Technical Committees, Mr. Rolstadås said he had written to the TC Chairmen to get their view points, but only three had replied, yet favourably. Granting voting rights would formalize the position of WG Chairmen and acknowledge their work for IFIP in a better way. TA, therefore, recommended that the Statutes and Bylaws be changed to allow WG Chairmen to vote in Technical Committees and Mr. Rolstadås moved that SBC be asked to prepare such a document for the General Assembly.

Council unanimously ADOPTED the motion.

ACTION

#### VOTING RIGHTS FOR TC CHAIRMEN

Mr. Rolstadås recalled that a Task Force, under his Chairmanship, had been established at the last GA to look into the question of granting voting rights for TC Chairmen at GA. The TA had prepared a very concise report which was appended to TA-1.

TA had endorsed the recommendation that TC Chairmen become Ex-officio Members of GA with the same rights as Individual Members with the following exceptions:

They may vote on elections, budget approval and Congress site, but would not be eligible for election as Officers or Trustees.

Voting rights would only apply to TC Chairmen present; proxies would not be accepted.

The Executive Board had discussed the TF proposition lengthily and had favoured the idea of creating a special category of Ex-Officio Members. The President moved that SBC be asked to provide a proposal for changing the Statutes and Bylaws in accordance with the recommendation.

The following points were expressed:

- Mr. Melbye - favoured the recommendation, but asked for an amendment to the motion; namely, that 'voting rights in respect of budget approval' be removed.
- Mr. Goldsworthy - ventured an additional amendment, that 'voting rights in respect of elections' be removed.
- Mr. Thoft-Christensen - considered that TC Chairmen would take care just as well as GA Members in voting on budget approval and felt it important that TC Chairmen be allowed to vote for the President-Elect.
- Mr. Morris - underlined that SBC was not entitled to make such decisions, only the GA Members would do that
- Mr. Funk - said Mr. Thoft-Christensen had caught the spirit and thinking of the Task Force - the TCs were the heart of IFIP.
- Mr. Rolstadås - did not think it was a question of trust; the work of the TC Chairmen had been well recognized. IFIP could not live without the TCs which were its backbone, but was trying to find some proper balance of power. The issue should be looked at as an evolutionary process.
- Mr. Meersman - pointed out that the income generated by the TCs was the result of hard work of many people and the TCs should be recognized in the form of influencing decisions in a more direct way.
- Mr. Tomljanovich - stressed that IFIP was a community, everyone had to work together and that was much more important than power.
- Mr. Goldsworthy - considered that the TC Chairmen should first become Ex-Officio GA Members and subsequently move forward.
- Mr. Funk - suggested that SBC enumerate the proposed voting rights to allow GA to vote upon them one by one. In that way, IFIP accepted the concept of some voting rights for TC Chairmen.
- The President - said that the TC Chairmen had to recognize IFIP was moving in the direction of upgrading their status. He recalled that in the past TC Chairmen had not been invited to GA and Council Meetings. The Technical Assembly had been created to especially allow the TC Chairmen to voice their opinions. He sincerely felt that TC Chairmen should have certain voting rights as soon as possible.

In the final analysis, Council ADOPTED the motion and its amendments together with the proposal put forward by Mr. Funk -13 in favour, 3 abstentions.

#### SOUTH EAST ASIA COMMISSION

Mr. Goldsworthy had reported on the work of the Commission which had successfully fulfilled its task. DCSC would henceforth, pursue the opportunity of providing speakers and taking part in regional activities in SEA. The Commission had been duly disbanded with thanks to Mr. Goldsworthy.

ACTION

#### TASK FORCE ON FRACTALS

Mr. Rolstadås said Mr. Penedo had provided him with a new list of persons whom he would contact in order to create a more permanent activity on Fractals.

ACTION

#### TASK FORCE ON MICROPROCESSOR CARD

Mr. Rolstadås advised that Mr. Cordonnier had scheduled a meeting for April 1992 in the United States and would submit a report the following month for discussion at the next TA meeting.

ACTION

#### CONGRESS 92 PROGRAMME

Mr. Brauer had reported on the final PC meeting which had recently taken place in Madrid. Out of the 500 submitted Papers, 170 had been accepted. There would be five parallel streams, two sub-Conferences and four Symposia.

#### CONGRESS 94 PROGRAMME

Mr. Uhlig had presented his proposals by telephone to TA as well as a written report to the Council. He had suggested three Tracks: 'Computing Power', 'Applications which will Drive Industry in the Years to Come' and 'Computing Power and Impacts on Society'. Invited Speakers at high level in industry would be sought and, in order to save travelling, it was hoped their presence might be obtained by the use of video-conferencing. TA members supported Mr. Uhlig's ideas although some concern had been expressed that the Programme might appear to be too much of a general nature.

Mr. Uhlig was inviting IFIP Members to propose representatives for the Programme Committee from their country or region.

ACTION

#### SILVER CORE AWARD

Mr. Fourot had advised the TC Chairmen that a draft list of nominations for the Silver Core Award at GA 92 would shortly be circulated for checking. It was important that comments be sent back to him as early as possible.

ACTION

Mr. Goldsworthy requested Mr. Rolstadås, as incoming President, to appoint the Congress 96 PC Chairman in 1992 rather than in 1993. He proposed that the TC Chairmen submit suggested names of a potential Chairmen to Mr. Rolstadås. The latter also called for names to be considered for Committee member positions.

ACTION

The President added that a new Chairman for the Technical Assembly had to be found.

ACTION

## 5.1 ACTIVITIES IN SOUTH EAST ASIA

(Please refer to the comments under SEA Commission of the foregoing Agenda item).

## 5.2 REGIONAL ACTIVITIES IN EUROPE

Mr. Melbye informed that CEPIS had been constituted with its legal seat in Holland. The first Executive Board had been elected in October 1991 which included Mr. Dolan and himself as two of the three Vice-Presidents which facilitated the maintenance of good relations between IFIP and CEPIS.

TC 5 and TC 10 had agreed to co-sponsor with CEPIS an InL Conference on "European Design Automation - EURO-DAC 92" in Hamburg, 7-10 September 1992. Mr. Brunstein mentioned that TC 9 was co-operating with CEPIS. Mr. Fourot felt there was an opening for TC 3 to also collaborate with CEPIS.

ACTION

## 6. ACTIVITY MANAGEMENT BOARD

Mr. Melbye presented his report AMB-1 and advised that the Activity Secretary, Mr. Falster, and himself had worked on improving the Event Database for transfer to the IFIP Secretariat where Ruth Lawson would be in charge of same and communicating direct with the TC Chairmen. He felt that within a short period of time Mrs. Lawson would be able to handle the maintenance of the Database in the same way Mr. Falster had done thus far. The latter had wished to be relieved of the clerical work which was a very demanding job. Mr. Melbye drew attention to AMB-2 - Schematic Event Administration (revised December 1991).

Mr. Melbye mentioned that it had been most helpful to have had the opportunity of discussing certain events with the TC Chairmen during the course of that week which had enabled him to update the Data.

Referring to AMB-3 IFIP Event Status Summary as per 2 March 1992, he said it basically showed a fairly high level of activity from July 1991 to June 1992 (the reporting period for GA 92) with a total of some 100 events.

Mr. Shackel admired the smoothness of the AMB efforts and wondered whether the TC Chairmen could receive a Status Summary on a regular, quarterly basis. Mr. Melbye confirmed that that would be the case.

ACTION

The President placed on record his thanks to Messrs. Melbye and Falster for all the efforts they had expended in establishing the IFIP Event Database.

## 7. TECHNICAL COMMITTEES

**N.B. kindly also refer to Agenda item 5 - Technical Assembly**

### 7.1 TC 2 - SOFTWARE: THEORY AND PRACTICE

Mr. Tienari, Cognizant Officer advised that Chairman Poole's reports for TA and the Council were first-rate.

TC 2 was an old, successful Technical Committee with well-organized activities. TC 2 held one meeting per year and the next one was scheduled for 14-15 August 1992 in Ellivuori, Finland.

## 7.2 TC 3 - EDUCATION

Mr. Bauknecht, Cognizant Officer, presented Chairman Bollerslev's report on account of his absence due to sickness.

TC 3 was very active, especially in its WG's. It was heavily engaged in preparing the Educational Stream for Congress 93 and highly involved in the International Olympiads in Informatics. WG 3.6 had been busy with the planning of "Teleteaching 93", Trondheim, August 1993.

The next TC 3 meetings were scheduled for 5-6 September 1992, Madrid and 28-29 January 1993, Mexico.

## 7.3 TC 5 - COMPUTER APPLICATIONS IN TECHNOLOGY

Mr. Tomljanovich referred to his report and advised that the next TC 5 meeting was scheduled for 23 June 1992 in Tokyo.

He regretted the difficulty in increasing the TC 5 membership and again called upon assistance of the GA Members to accelerate nominations.

ACTION

Mr. Rosenfeld suggested that TC Attendance Lists be given to the IFIP Secretariat for circulation to the GA Members who could discuss the nomination or replacement of TC members with their Societies.

ACTION

Mr. Tomljanovich gave a run-down on the WG activities and indicated that the new, provisionally approved WG 5.11 on "Technology for the Environment" under the Chairmanship of Prof. G. Guariso already comprised 17 members and was planning a Working Conference in 1993.

## 7.4 TC 6 - COMMUNICATION SYSTEMS

Mr. Bauknecht, Cognizant Officer, presented the report of Chairman Spaniol and underlined the extensive activity planned by TC 6 and its Working Groups.

He advised that Messrs. Housley/Australia, Szentivanyi/Hungary and Khakhar/Sweden had been respectively elected as TC 6 Vice-Chairman, Secretary and Treasurer for the 1992-1994 period. WGs 6.4 and 6.6 had new Chairmen, namely Messrs. Pujolle/France and Zimmer/Germany. The Treasurer position was an innovation and be responsible for TC 6 loans, grants, budget information, etc.

TC 6 was studying the possibility of Joint WG's involving TCs 9 and 12 and ICCO. It had various Task Forces studying 'hot' topics which could eventually emerge into WG's in the areas of "Broadband Communication", "Wireless Communication", "Intelligent Networks" and "Performance".

TC 6 meetings were planned for 20-21 March 1992 in Ivalo/Finland and for 24-25 September 1992 in Sophia Antipolis/ France.

## 7.5 TC 7 - SYSTEM MODELLING AND OPTIMIZATION

Mr. Thoft Christensen referred to his report and advised that the next TC 7 meeting would take place on 17 December 1992 in Compiègne/France.

The last TC 7 Conference (15th), September 1991 in Zurich/Switzerland, had been a great success with approximately 250 participants. The 16th was planned for 5-9 July 1993 in Compiègne. It was hoped to hold the 17th in South-East Asia, but TC 7 did not, thus far, have any members from countries in that region. He again called upon the respective Member Societies to nominate members to TC 7.

ACTION

The WG's were working well and they tried to distribute their Conferences all over the world.

Mr. Thoft-Christensen drew attention to the TC 7 meeting attendance sheet and urged Argentina, Australia, Belgium, Bulgaria, China and South Africa to look into the membership issue.

ACTION

## 7.6 TC 8 - INFORMATION SYSTEMS

Mr. Davis presented his report and informed that the next TC 8 yearly meeting would be held 5-6 September 1992 in Madrid/Spain.

TC 8 was working on a sub-Conference for Congress 92 on "Enhancing the Intelligence in Information Systems". Amongst other activities, an Open Conference was planned in May 1994 in Australia on "Information Systems Integration".

WG 8.4, under the new Chairmanship of Mr. Vogel and Mr. Bots V-Ch, would be holding a tutorial type of event, with no Proceedings, on "The Portable Office: Microprocessor Cards as Elements of Distributed Offices" in June 1992 in Ottawa/Canada. There were not enough Papers for a WC.

Mr. Davis confirmed that the correct title of WG 8.4 was "Office Information Systems" and it would give feedback on the Ottawa event to the TF on "Microprocessor Cards".

ACTION

## 7.7 TC 9 - RELATIONSHIP BETWEEN COMPUTERS AND SOCIETY

Mr. Brunnstein presented his report and said TC 9 would meet on 5-6 September 1992 in Madrid/Spain at which time elections would take place as the first term of the TC 9 Chairpersons was expiring. An election was upcoming in WG 9.1 as Mr. FuchsKittowski would be completing his second term as Chairman.

The WG's were all involved in preparing Sessions for Congress 92 including a combined State-of-the Art Report with TC 11 on "Vulnerability and Risk".

He referred to the WG 9.1 Task Group "Women, Work and Computerization" which he had suggested might become a WG in itself to increase its visibility.

WG 9.4 "Developing Countries" was planning to hold Conferences in Nairobi and Cairo in 1993.

WG 9.6 "Computer Criminal Law" would be presenting new Aims and Scope at the next TA in view of the area covered by WG 11.7 "Legislation".

Mr. Brunnstein felt that the overall status of TC 9 was very good and advised that it had a regular Newsletter which would be more broadly distributed, including to the IFIP NL-Editor and Secretariat.

ACTION

He drew attention to the Resolution received by the President from the Austrian Computer Society on "Proscription of Cynical and Human Discreditable Computer Games" which would be copied and mailed to all GA Members and TC/SG Chairmen by the Secretariat.

Mr. Brunnstein referred to the "IFIP Code of Ethics" project which had been thoroughly discussed in TA

## 7.8 TC 10 - COMPUTER SYSTEMS TECHNOLOGY

Mr. Ozeki, Cognizant Officer, reported on behalf of Chairman Reijns.

The five WG's were all very active and in a healthy state. TC 10 had put a lot of effort into reviewing the Papers of its Stream in Congress 92 on "From Architectures to Chips".

Mr. Ozeki advised that Mr. Reijns was due to retire as Chairman at the end of March 1992 and the TC 10 members had been asked to consider a possible successor for election at their next meeting.

As living in Denmark, Mr. Melbye said he had attended the January 1992 TC 10 meeting in Lyngby and had appreciated the opportunity of being with the members and WG Chairmen.

## 7.9 TC 11 - SECURITY AND PROTECTION IN IP SYSTEMS

Mr. Caelli referred to his report and, in particular, to the forthcoming IFIP/SEC Conference in Singapore, May 1992 - which series was now very much accepted internationally as the leading world event in that area. About 32 Papers had been accepted out of the 50 or so received and he was confident the Proceedings would come out very quickly.

He recalled the issue of 'Reverse Engineering' as outlined in TA.

Mr. Caelli announced that the next annual TC 11 meeting would take place in Singapore on 25-26 May 1992.

## 7.10 TC 12 - ARTIFICIAL INTELLIGENCE

Mr. Meersman referred to the report he had prepared for both TA and Council and recalled that the first meeting of TC 12 had taken place 31 May -1 June 1992 in Bruges/Belgium. The next meeting would be held on 13 July 1992 in San Jose/California.

He advised that TC 12 had a number of representatives who were clearly well-established in AI complemented by the Scientific Advisory Group (SAG) - approximately 25 people who were, without exception, very well recognized AI experts.

Mr. Rolstadås underlined that TC 12 should 'pave the way' with its SAG and come back with same firm proposals.

ACTION

## 7.11 TC 13 - HUMAN COMPUTER INTERACTION

Mr. Shackel presented his report and advised that the third meeting of TC 13 was scheduled for 3 May 1992 in Monterey/California. Its membership remained at 18.

AMB and TC 13 had approved "INTERACT 93" which would be held jointly with the ACM "SIGCHI 93" under the name of "INTERCHI 93" in the Netherlands. SIGCHI had undertaken the full financial responsibility and had guaranteed appropriate proceeds to IFIP in the region of U.S. \$ 20,000.

Mr. Shackel was pleased to report that the "INTERACT 84 and 87" Proceedings, which had achieved good sales, were still available and selling.

7.12 SG 14 - FOUNDATIONS OF COMPUTER SCIENCE

Mr. Gruska referred to his report and advised that the SG's three Working Groups had made good progress in getting organized despite the fact that IFIP was getting involved into an already well-established area as was the case for TC 12.

He commented on "LATIN 92", Sao Paulo/Brazil, 10-14 April being sponsored by SG 14 and said it would be very international with submissions from some 26 countries.

SG 14 would also be sponsoring a series of meetings "ISAAC" in Japan/92, Hong Kong/93 and China/94.

8. COMMITTEE REPORTS

8.1 ADMISSIONS COMMITTEE

Mr. Ozeki referred to his report (AC-1) and addressed the following issues:

SEARCC - Mr. Iau, Secretary General, had written to Mr. Fourot on 11 December 1991 informing that SEARCC would withdraw as a Full Member of IFIP with effect from 1 January 1992. The EB and himself had been immediately informed. The President subsequently received a letter dated 14 January 1992 with SEARCC's application for Affiliate Membership.

Mr. Morris said EB had asked him to form a small Task Force with Messrs. Ozeki and Sacerdoti of AC to examine the matter. After careful consideration, TF recommended that a letter of regret about SEARCC's resignation be sent to them and saying that their application for Affiliate Membership would be considered in the normal way at the next GA as such issues were decided upon by that Body. Mr. Ozeki agreed to write to Mr. Iau accordingly.

ACTION

Albania and Mexico - were interested in applying for Membership and Mr. Ozeki said he would pursue the matter in order to present a proposal to the next GA. Albania had already submitted advance Dues in the amount of CHF 1,275.

ACTION

Proposal to revise IFIP Bylaw 2.1.1 concerning procedure for the admission of Full Member - namely, AC must prepare a recommendation and mail it to all GA Members at least 40 days before the GA Meeting. As the international situation was changing rapidly which called for prompt decisions, AC suggested waiving that regulation and would like to present a formal proposal at the next GA supported by SBC.

ACTION

In the ensuing discussion, the following remarks were made:

Mr. Melbye - did not favour same because, as previous AC Chairman, he had found it useful to have that length of notice as it allowed for deliberations with the applying organization and to have all relevant facts better investigated prior to the admission decision. However, he was not against some flexibility.

Mr. Morris - supported Mr. Melbye. The purpose of giving notice to GA Members gave the opportunity to think about the application before GA and, if necessary, to raise questions. AC makes it clear from the beginning of any negotiation that there is that deadline for a formal application.

Mr. Rolstadås - supported the foregoing comments and favoured a slight flexibility for the notice time.



The President - said those points, and any others, could be presented to GA. One thing had to be borne in mind - in EB it was decided that he would write a letter to all countries emerging from the FSU and invite them to succeed the Membership of FSU; for those countries IFIP could maybe apply a special decision. ACTION

Mr. Alvarez - felt that if Mr. Dorodnicyn, GA representative of the former FSU, turned up at the next GA, he could be given the status of Observer.

Mr. Ozeki would consider the points spelled out and write a memo to the SBC Chairman. ACTION

The President stated that he had, thus far, not received any replies from the Presidents of the SEARCC Member Societies, which were not already Full Members of IFIP, in respect of the 'Associate Member' proposition as outlined in his letter of 26 September 1991.

## 8.2 CONGRESS GUIDELINES COMMITTEE

Mr. Alvarez referred to his report (CGC-1) and said that CGC had met during the course of that week. Work on the Proceedings Chapter was ongoing. A good number of appendices were missing, but samples would be incorporated from the San Francisco and Madrid Congresses. The appropriate documents would be scanned and converted into PostScript in order to magnetically merge them into the Guidelines.

Mr. Alvarez announced that copies of the Guidelines, including the changes approved at the last GA, could be distributed to interested parties during the course of the Council Meeting. Copies of the Guidelines in magnetic support could also be obtained direct from himself upon request. ACTION

## 8.3 DEVELOPING COUNTRIES SUPPORT COMMITTEE

Mr. Balasubrahmanian drew attention to document DCSC-1 outlining activities which had been supported by DCSC during 1991/92 for which precise budget amounts had been allocated. There was increasing demand from TCs for support to WC's in DCs. Elsevier had despatched a second set of books from the IFIP Book Bank during 1991 involving an expenditure of approximately CHF 2,330. This would be an on-going activity of DCSC.

Mr. Balasubrahmanian advised that DCSC had met the previous day to which had been invited the new GA representative for Malaysia, Mr. Lee Poh Aun.

The topics covered included Regional Activities. ARCC's first Regional Conference was being planned for February 1993 in Botswana. Mr. Lee Poh Aun said he would seek IFIP participation for the next SEARCC Confence, August 1992, which was being hosted by Malaysia. ACTION

Mr. Nedkov had reported the willingness of ICSU to include IFIP as a donor of books for the DCs and would underwrite the packaging and mailing costs.

Discussions with the Regional Offices of UNESCO had indicated possibilities of participation by IFIP in their projects and allow its members to attend meetings in an Observer capacity.

Mr. Balasubrahmanian mentioned that he and the TC5 Chairman would explore potentialities for collaboration with UNIDO on computer-related projects. ACTION

He re-iterated that DCs which had bilateral support programs with other countries could probably identify resource support through the relevant IFIP National Societies.

ACTION

DCSC felt that certain activities could help in improving the image of IFIP as a global organization and could relate to: a) establishing e-mail networks which could be extended to information networks amongst regional member countries; b) developing databases and datanetworks in the Asian region; c) Journals on IT related to IFIP activities in the non-English language regions. Mr. Alvarez had ventured that some of the IFIP publications might be translated and one could look into that to get a project started; d) programme for the training of teachers could be launched under the aegis of TC 3.

ACTION

Mr. Balasubrahmanian said he would explore the possibility of the WG 9.4 Newsletter relating to DCs being broadened to cover the interest of DCSC.

ACTION

To conclude, support from UNESCO for DC participants at C92 needed to be finalized. Low-cost accommodation would encourage a larger number of DC delegates. Mr. Alvarez informed that C92 had arranged for 500 rooms on the University campus at \$ 50 per day with full board and the first consideration would be given to DC attendees.

#### 8.4 FINANCE COMMITTEE

Mr. Bauknecht advised that FC had met the previous day and referred to his report which was the result of their deliberations. Mr. Grafendorfer had been unable to attend due to a serious ski accident and FC wished him a speedy recovery.

#### TREASURER'S REPORT

FC had expressed its appreciation to Mr. Melbye for his excellently prepared and detailed reports. FC had endorsed that 1991, from a financial point of view, had been a satisfactory year for IFIP.

#### DUES SITUATION; MEMBERS IN ARREARS

FC was concerned by the increase in outstanding Dues and, therefore, proposed to Council:

- a) Full Members being more than one year in arrears with the payment of Dues shall have their voting rights suspended unless paid by the next GA.
- b) Members being more than two years in arrears shall have their Membership suspended.
- c) The Secretariat to inform TC's about Members having their voting rights or Membership suspended.
- d) Appropriate changes be recommended to SBC.

Attention was drawn to the Brazilian situation which was very much in arrears - FC had supported Mr. Melbye's proposal to write off its unpaid Dues.

A long discussion ensued on the accounting method to employ in respect of back Dues, the implications involved for Officers, TC Chairmen, et al of suspended countries. The President favoured more flexible conditions.

Mr. Morris indicated that the reason for the proposal was to exert pressure on reluctant payers. He did not believe the suspension of voting rights would necessarily have a substantial effect

Also, that the imposition of a sanction at the end of one year might be unreasonable. A reluctant member might leave than try to pay and stay. He would rather support some kind of sanctioning at the end of two years.

Council VOTED as follows:

Re (a) : 10 in favour, 5 against  
Re (b) : 15 in favour

As SBC members, Messrs. Morris and Fourot would present the issue to SBC for a suitable document to be drafted for presentation to the next GA.

ACTION

#### DUES FOR NEW MEMBERS

Mr. Bauknecht referred to the category of Associate Member, which Mr. Morris pointed out had yet to be formally approved, and FCs proposition that there be a flat Dues rate for AM's of half of minimum of the Dues scale (i.e. for 1992 CHF 1,250).

Mr. Fairall felt that in terms of AM's from Developing Countries, a figure of CHF 750 would be more appreciated.

Following some lengthy debate, the President proposed that Dues for an Associate Member be 25 % of minimum Dues.

Council VOTED 8 in favour, 5 against, 3 abstentions.

#### PORTFOLIO SITUATION

Mr. Bauknecht reported that the Investment Policy as approved by GA Harare 91 had been implemented.

#### OUTSTANDING LOAN - CONGRESS '86

No further payment had been received from the Irish Computer Society in respect of the remaining outstanding of CHF 39,400. FC, therefore recommended that an appropriate decision be taken at the next GA.

ACTION

#### CHART OF ACCOUNTS 1992

FC appreciated the presentation of account number, budget approved and approval authority.

#### BUDGET 1992

FC considered that no adjustment was necessary at that time. It trusted that decreased income from Royalties could be balanced by increased Proceeds.

#### BUDGET 1993

FC recommended that a balanced budget be prepared for 1993.

#### DCSC FUND

FC had asked Mr. Melbye to discuss with the DCSC Chairman, Mr. Balasubrahmanian, the question of the DCSC Fund. Mr. Melbye advised that the DCSC Fund as at 31 December 1991 amounted to CHF 9,694 and he had, therefore, proposed a provision of CHF 8,806 so that the 1992 opening balance would total CHF 18,500. He recalled that it had been the intention to carry forward to the Fund unspent amounts from the DCSC operating expenses budget This gave more flexibility to the DCSC Chairman.

Council APPROVED the FC report including the provision for the DCSC Fund.

Mr. Bauknecht underlined the heavy workload of Treasurer Melbye due to his parallel responsibilities as AMB Chairman. Council gave a VOTE OF THANKS to Mr. Melbye.

It was noted that the FC meeting planned for Sunday morning, 13 September in Spain would be changed to the afternoon.

ACTION

#### 8.5 IFIP-UNESCO LIAISON

Mr. Fourot referred to his report (IULC-1) and advised that UNESCO would give support to "LATIN 92", Sao Paolo, 6-10 April and most likely for the "Modular Curriculum" update to be organized by WG 3.2 in January 1993. No news had been received regarding other requested support and he underlined the severe budgetary problems faced by UNESCO.

Mr. Fourot said that an Advisory Co-ordination Committee, set up by Mr. Bollerslev and including Messrs. Balasubrahmanian, Bauknecht and Khakhar, would be assisting the Inter-governmental Informatics Programme (IIP) in the evaluation of projects. UNESCO had already sent them documentation.

Two projects had been submitted to UNESCO under the aegis of TC 3. Mr. Barta (WG 3.4) had drawn up a document concerned with "Accreditation and Certification of I.T. Professionals" - a DC type of problem. Mr. Bollerslev's proposal was relative to 'setting up regional centers', 'standardization of training courses' and 'courses for engineering technicians'.

Mr. Fourot stated that UNESCO intended to de-centralize most of its actions. He would have available, upon request from interested parties, a list of Regional contacts.

ACTION

#### 8.6 INTERNAL AWARDS COMMITTEE

Mr. Fourot advised that, before the end of the month, he would be sending a list of proposed nominations for the Silver Core to the TC Chairmen for their comments. He would include a copy of the Silver Core Rules.

ACTION

A copy of the finalized list would be duly forwarded to the General Assembly Full and Honorary Members for their contemplation prior to GA.

ACTION

Mr. Fourot said he would also send a reminder to the TC Chairmen, as in past years, to nominate candidates for the Outstanding Service Award. The Rules would likewise be attached.

#### 8.7 MARKETING COMMITTEE

Mr. Funk presented his report and mentioned that, in his capacity as Mt Chairman, he had visited the Press Officer, Grand Boyd of Ottawa, the previous month. Mr. Boyd would be writing to all GA representatives for contacts in order to establish a Communication Network.

MC was reviewing its Charter and would present a revision at the next General Assembly.

ACTION

The IFIP Presentation had again been updated, with thanks to Mr. Alvarez for his conscientious handling of the same, and was available from him upon request.

ACTION

Mr. Funk said MC had decided it would be a good idea to present a Pin with the Silver Core certificate; he would undertake to have one fabricated at a fair price.

ACTION

MC had talked about providing the IFIP Newsletter to the major universities around the world and would investigate the cost of such an action. It was considered a good way to get the IFIP message out to the younger people.

ACTION

Mr. Funk advised that the President would send an invitation letter to Member Society Presidents asking them to join him and the Executive Board for a luncheon in Madrid during Congress week.

ACTION

Mr. Khakhar had presented his project for an IFIP Lecturership file to MC; the relevant Forms would be mailed out to GA Members, TC + WG Chairmen and Member Society Secretariats following the Council Meeting.

ACTION

MC had agreed it should play a supportive role in the promotion of World Congresses. With the assistance of Messrs. Rosenfeld and Nedkov, two articles on Congress 92 had been sent to the Internet Society Newsletter which reached an audience of some three million people.

The establishment of an IFIP Electronic Bulletin Board had also been discussed and the idea would be pursued.

ACTION

Mr. Funk indicated that MC had devoted a lot of time to discussing the advantages of being associated with IFIP - from the viewpoint of National Societies and their members. MC would develop an information sheet for potential new Members and duly submit same to Council.

ACTION

#### 8.7.1 IFIP NEWSLETTER

Mr. Rosenfeld drew attention to the TC 'Snapshots' - TC 6 and TC 3 (TC 2 was in the pipe-line) which had been printed in the recent Newsletters. Copies were available at the Secretariat (of TC 3) for promotional purposes.

The President expressed again IFIP's deep appreciation of all the work invested by Mr. Rosenfeld in the Newsletters which continuously increased the visibility of IFIP.

#### 8.8 PUBLICATIONS COMMITTEE

Mr. Verrijn-Stuart referred to his report PC-1, and to PC-2 which reflected the conclusions of the PC meeting held earlier that week.

The book market, overall, was not doing too well and IFIP's main publisher - Elsevier - had experienced a decline in sales of some 15% during the last two years. IFIP would, therefore, be faced with a decrease in the income from Royalties.

Mr. Verrijn-Stuart drew attention to a new Serial which had been worked out with Elsevier - IFIP TRANSACTIONS. The Serial would include 35 volumes per year of the IFIP World Conferences and those at TC and WG level, on a subscription basis, and was especially directed to the library market.

Planned for 1992:

- "A" - Computer Science and Technology (19 vols.)
- "B" - Applications in Technology (8 vols.)
- "C" - Communication Systems (8 vols.)

PC had decided to create an IFIP TRANSACTIONS Editorial Policy Board composed of the permanent PC members and the TC Chairmen. Their names would be listed in the volumes together with a brief statement which, it was felt, would make an impact on the scientific community. The Policy would be represented at the next GA.

ACTION

Council participants commented on the attractive appearance of the IFIP TRANSACTIONS volumes which Mrs. Smit/Elsevier had on exhibit.

Mrs. Smit advised that a questionnaire would be sent to all GA Members with a view for feed-back on the possibilities of the new Serial being mentioned in their respective Society Journals. ACTION

Mr. Verrijn-Stuart advised that Springer-Verlag had also experienced a considerable decline in its book sales and had decided to discontinue the "Lecture Notes in Engineering" Series. Options would, therefore, have to be reviewed for TC 7 which published under that Series.

He would visit Springer-Verlag to discuss same and other items, including the necessity of finalizing the Master Contract. Mr. Wossner/Springer had urged IFIP to consult with the publisher in respect of book titles as this was also a selling point.

Mr. Nedkov, Contracts Officer, referred to the ICSU support for packaging and mailing IFIP book donations to DCs. He would look into the possibility of obtaining funding of IFIP TRANS-ACTIONS subscriptions for Eastern European libraries. IIP might organize IFIP book exhibits at its meetings and disseminate information contained in the IFIP Newsletters. ACTION

Mr. Verrijn-Stuart said PC had addressed the question of establishing an IFIP Journal Policy and reference would be made therein to the ICSU Press Guidelines. ACTION

Mr. Rolstadås considered IFIP should have a Quality Assurance Policy and this subject would be put on the Agenda for the next TA meeting. ACTION

A revised PC Charter would be presented at the next GA. ACTION

Mr. Verrijn-Stuart mentioned it was always a great pleasure to work with Elsevier and thanked Mrs. Smit for her constant co-operation.

## 8.9 SITE EVALUATION COMMITTEE

Mr. Goldsworthy said there was nothing to report at that stage.

SEC would need an indication at the next GA and submissions by early 1993. Subsequently, SEC could evaluate the sites and present a report to GA 93.

He, therefore, called upon those Member Societies who wished to bid for Congress 98 to start putting together the necessary information. ACTION

Mr. Goldsworthy stated that copies of the Congress Guidelines could be obtained direct from Mr. Alvarez or via the Secretariat.

## 8.10 STATUTES AND BYLAWS COMMITTEE

Mr. Morris presented Chairman Bobillier's report (SBC-1).

Statutes and Bylaws: SBC was preparing a proposal for the next GA which would reflect all changes suggested in Harare as well as any resulting from the present meeting. ACTION

Standing Orders: The final draft had been completed. SBC had adopted the procedure of having a basic set with reference to Supplements (10), e.g. Publications Policy, Elections Guidelines, etc. available from the Secretariat upon request Following any feed-back from the Council participants (dead-line 30 April 1992), SBC would complete the document for approval by EB prior to the next GA. ACTION

## 9. AFFILIATE MEMBERS

### 9.1 IAPR

Mr. Hallgren informed that he was the Chairman of the Norwegian Chapter and also a member of the Governing Board of IAPR. He had discussed with some of the Council participants possible areas of collaboration which he would report back to IAPR and subsequently follow up with IFIP.

ACTION

### 9.2 IASC

Mr. Brosveet presented his report and recalled that IASC was founded in 1977 as a Section of the International Statistical Institute (ISI). IASC had more than 800 Individual Members in 70 countries and, additionally, a number of Institutions were Corporate Members. It contributed to the support of the development of statistical methods and their application through continued computerization on a world-wide basis. IASC hoped to forge closer relations with North America and East Asia.

IASC was responsible for the "COMPSTAT Conferences, the next one would be held in Neuchatel/ Switzerland, September 1992.

Regional activity and publications were of great importance to IASC. In 1991, it had established "Computational Statistics and Data Analysis (CSDA)" as its official, ongoing Journal.

### 9.3 ICCC

Mr. Rolstadås drew attention to the report of Mr. Uhlig, ICCC representative, outlining Officers and Membership, the committees on Relief, Asia and DCs and Future Activities.

"ICCC 92" would take place in Genoa/Italy from 27 September to 2 October. The Conference theme was 'Towards a New World in Computer Communication'. A large number of Papers had been received and were currently being reviewed.

ICCC planned to jointly sponsor with IFIP TC 6 a Conference on "Integrated Broadband Communication Networks and Services" in Copenhagen/Denmark, 19-23 April 1993.

It had finally been decided that ICCC would not pursue the possibility of using the IFIP Secretariat to perform ICCC Secretariat functions.

### 9.4 EUROMICRO

### 9.5 FACE

There was nothing to report.

### 9.6 IJCAII

Attention was drawn to the report of Mr. Walker covering its International Joint Conferences on "AI". "IJCAI93" would be held in Chambéry/ France from 29 August to 3 September.

IJCAII sponsored three awards and also co-ordinated international activities related to AI. A new programme had just been established to support travel for distinguished scientists in AI to lecture in DCs.

9.7 VLDB ENDOWMENT

9.8 IMIA

There was nothing to report

**10. CONGRESS 92 - MADRID**

10.1 ORGANIZING COMMITTEE

Mrs. Alonso presented her report and highlighted the following issues:

CONGRESS PROMOTION/PUBLICITY

Over 30,000 copies of the Final Call for Papers and Preliminary Programme had been distributed.

A C'92 Publicity Stand had been set up at four important events in Las Palmas/Oct 91, Madrid/Nov. 91, Valencia/Dec. 91 and Barcelona/Jan. 92.

Summary Sheets of the Final Call for Papers had been published in the December 1991 issues of IEEE, ACM and Spanish technical magazines.

A Press Conference had been held at the time of the PC meeting in Madrid, end February 1992.

Henceforth, there would be a monthly press note to all information circles; newspapers, radio and TV interviews.

Newspaper correspondents in Spain would arrange for information to be published in foreign newspapers and magazines; information would also appear in the EEC Newsletter.

PRINTING OF PROCEEDINGS

A contract had been signed between IFIP and Elsevier. The cost to OC would remain at DFL. 75 per copy provided the manuscript did not exceed 1,600 pages.

HONOUR COMMITTEE

Under the Presidency of the King and Queen of Spain, the Prime-Minister and other high-ranking officials had accepted to be members.

ACCOMMODATIONS

In accordance with the GA request, hotels had been arranged which would not exceed \$ 100 per night. Rooms had also been reserved at College residences for \$ 50 per night including full board which would be available for DC participants.

SPONSORSHIPS

One of the sponsors (Eritel) had been forced to withdraw its promised participation due to internal problems. An official funding request to the Spanish Ministry of Industry had not been approved in 1991 due to its reduced budget; however, a new request had just been presented and the expectations were optimistic. An official request had also been addressed to the Ministry of Science and Education.

BUDGET

Mrs. Alonso presented a comparison of actual to budgeted figures in Spanish Pesetas.

Mr. Goldsworthy underlined that IFIP had asked, on numerous occasions, for the figures to also be shown in Swiss francs. Mrs. Alonso subsequently arranged for same which was duly distributed to remaining Council participants.



## 10.2 PROGRAMME COMMITTEE

Mr. Brauer advised that PC had selected 170 Papers out of the almost 500 submissions. There would also be five keynote Speakers, 65 Invited Papers, 18 Panels and many Poster presentations (which had been perceived to attract more people).

He drew attention to the Advance Programme Draft which was subject to some re-editing and would be distributed very shortly.

The President suggested that a list of the submitted Papers, according to country, be made available for GA.

ACTION

Mr. Brauer placed on record his profound thanks to the PC Vice-Chairman, Mr. Delgado-Kloos, and to the other Committee Members.

The President thanked Mrs. Alonso and Mr. Brauer for their reports and wished them every success with the arrangements for Congress 92.

## 11. CONGRESS 94 - HAMBURG

### 11.1 ORGANIZING COMMITTEE

Mr. Brauer presented a concise report on the 'Schedule of Expenditure and Financing', 'Timetable', 'Congress Organization' and 'Cash Flow'.

The figures were based on 1,500 participants at a registration fee of DM 770. However, the fee might have to be raised as that was the figure given in 1988. It was planned to have a large Exhibition which could produce a sizeable income.

The planned contribution to IFIP was based upon 10% of the receipts of registration fees -DM 115,500 minimum.

Mr. Brauer mentioned that C'94 was taking place in the Silver Jubilee year of the German Member Society.

### 11.2 PROGRAMME COMMITTEE

Mr. Rolstadås drew attention to the report of Mr. Uhlig (C94PC) and recalled the telephonic conversation held with him during the TA meeting.

Kindly refer to the comments under Agenda item 5 - Technical Assembly.

## 12. FUTURE MEETINGS

Mr. Fourot announced that an invitation had been received from the President of the Austrian Computer Society to host the March 1993 Council Meeting in Vienna.

Council unanimously ACCEPTED the invitation for Vienna, 1-5 March 1993.

Mr. Fourot would confirm the acceptance with the thanks of the Council.

ACTION

The President stated that no invitations had been received to host GA 1993 and felt it would be a good idea if IFIP could meet in Europe. He called upon the Member Societies to kindly consider inviting IFIP.

ACTION

Mr. Tienari informed Council of a plan being contemplated by the Nordic countries and concerned the 1995 GA Meeting.

Denmark, Finland, Iceland, Norway and Sweden had a long history of co-operation and would together provide the necessary resources so that Iceland could invite GA to Reykjavik. Iceland, with 200,000 inhabitants, could not alone make a commitment. The goal was to present a formal invitation at the next GA.

The President thanked Mr. Tienari for the information and considered it would be a highly fruitful experience for all parties concerned to hold a GA Meeting in Iceland.

### **13. OTHER COUNCIL BUSINESS**

#### **13.1 MALAYSIA**

Mr. Lee Poh Aun, the GA representative for the new Member - Malaysian National Computer Confederation (MNCC) gave a briefing on its activities and those in the SEA region.

He reported on the 11th Annual Regional Conference of SEARCC which would be held in Kuala Lumpur, 11-14 August 1992 and hosted by his Society in association with MAMPU (Manpower and Administration Modernization Planning Unit of the Malaysian Prime Minister's Dept). The Conference theme was "IT Infrastructure Development for National/Regional Growth". More than 130 submitted Papers were currently being reviewed. An audience of 1,000 was planned.

Two sub-Conferences of the Special Regional Interest Groups (SRIG's) of SEARCC would be held concurrently during the main event - namely, SRIG-ET (Education and Training) and SRIG-TEL (Telecommunications). An international Software Competition for secondary schools would also take place in conjunction with "SEARCC 92".

MNCC was extremely glad to note that IFIP President Sendov had accepted an invitation to be a keynote Speaker.

#### **13.2 IFIP GA MEMBER CHARTER**

Mr. Morris had developed a draft for an IFIP GA Member Charter. This would be further examined by SBC, of which he was a member, for presentation at the next GA.

ACTION

#### **13.3 NOMINATIONS COMMITTEE - OFFICERS**

The President announced that he had appointed Mr. Balasubrahmanian to replace Mr. Dolan as a Committee member.

#### **13.4 COUNCIL TIMING STRUCTURE**

The President felt the matter, as touched upon earlier, should be further discussed. Comments were as follows:

The President considered that, as TC Chairmen reported fully to TA, the TA Chairman could report to Council and thus avoid the necessity of TC Chairmen making formal presentations. That would reduce the Council time.

Mr. Rolstadås disagreed with disbanding TC reports to Council. Specific problems concerning administrative matters had to be provided in writing, but could be presented by the Cognizant Officers.

Mr. Goldsworthy - strongly urged reducing the time. IFIP was completely Committee-driven. Council should be issue-driven and use the expertise at Council to resolve issues and take decisions.

Mr. Melbyc supported Mr. Goldsworthy's comments.

Mr. Morris said it was inevitable that information communication was an important part of IFIP activity. It was in Council where one learned generally what was going on. TA had been established to deal with strategic planning and he agreed with Mr. Goldsworthy that Council should utilize its time in issue-resolving and decision-making.

Mr. Caelli supported the concept of Mr. Goldsworthy.

The President asked Secretary Fourot to consider a revised structure for the March 1993 Council and Related Meetings and to present same at the next EB meeting.

ACTION

#### 14. CLOSING OF THE MEETING

The President said he would like again to thank the Norwegian hosts and, in particular, Mr. Rolstadas and the local organizers for the excellent arrangements and gracious hospitality. He also thanked the participants for their contributions.

The Meeting was declared closed.

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**WG 2.1 (ALGORITHMIC LANGUAGES AND CALCULI)**

**AIM**

To explore and evaluate new ideas in the field of programming, possibly leading to the design of new languages.

**SCOPE**

- 1) the study of calculation of programs from specifications;
- 2) the design of notations for such calculations;
- 3) the formulation of algorithm theories, using such notations;
- 4) the investigation of software support for program derivation;
- 5) the continuing responsibility for ALGOL 60 and ALGOL 68.

**WG2.4 (SYSTEM IMPLEMENTATION LANGUAGES)**

**AIM**

To promote the exchange of information between researchers and users of languages for the description of software systems at all stages of development and support. The particular focus of the group is upon the pragmatic engineering aspects of the problem: measurements, evaluation, critical comparisons, and development of economically-viable techniques.

**SCOPE**

- 1) experience in the actual use of systems implementation languages;
- 2) the relation of language design to the problems of system maintenance and enhancement;
- 3) impacts of programming methodology on system implementation languages;
- 4) compilation techniques for system implementation languages;
- 5) software and hardware environments to facilitate the design, construction and maintenance of large software systems;
- 6) software portability and reusability, and their relationship to machine dependence.

**WG 10.6 (NEURAL COMPUTER SYSTEMS)**

**AIMS**

- To promote the exchange of information in the area of innovative neural computer systems and structures and to improve the understanding of State-of-the Art.
- To explore problem areas and solutions in the development of neural computer systems.

**SCOPE**

- System and component concepts, and neural system architecture.
- Specification and design of neural computer systems in terms of hardware and software for real world applications.
- Specification and design of VLSI components for neural computer systems.
- Study of parallel systems that are well suited for neuro-computing.
- Design and implementation of algorithms for neurocomputing.
- To develop tools for the design of neural architectures.

**WG 12.1 (KNOWLEDGE REPRESENTATION AND REASONING)**

AIM

The design and implementation of formalism and methodologies for encoding knowledge and the corresponding processing algorithms for reasoning.

**WG 12.2 (MACHINE LEARNING)**

SCOPE

Machine Learning is the automatic or interactive acquisition of knowledge using deductive, inductive or analogical methods. In particular this includes:

- the study of machine learning models;
- the design of machine learning methods;
- the analysis and elaboration of performance criteria for learning programs;
- the integration of different learning paradigms.

**WG 12.4 (NATURAL LANGUAGE PROCESSING)**

AIM

The interactive and integrated study, use, and further development of methods and formalism for representing linguistic and non-linguistic knowledge.

SCOPE

The design and development of computer systems for natural language understanding and generation. It includes parsing, generation, discourse analysis, dialogue handling, machine translation, speech recognition and generation, and theoretical issues in syntax, semantics and pragmatics of natural language.

**WG 13.2 (METHODOLOGY FOR USER CENTRED SYSTEM DESIGN)**

AIMS

The principal objective of the Working Group will be:

- ❖ to foster research, dissemination of information and good practice in the methodical application of HCI to software engineering.

This objective decomposes into two sub goals:

- ❖ to encourage research into and development of HCI principles, methods and techniques applied to system design and integrated with principles, methods and tools in software engineering, and
- ❖ to encourage research into human action within the system development process and to promote knowledge transfer from such studies into the construction of integrated HCI-SE design methods.

SCOPE

- ❖ evaluation and synthesis of HCI specification and design methods;
- ❖ implications of cognitive psychology for the design of human-computer interfaces;
- ❖ evaluation and study of different approaches to design delivery: cognitive models, design rationals, task artifact cycles, engineering principles, development methods; methods and techniques of Human Factors in software engineering as practised in industrial environments; human behaviour in software development, i.e. cognitive studies of software engineering;
- ❖ cooperative work techniques applied to software development.

**WG 14.1 (CONTINUOUS ALGORITHMS AND COMPLEXITY)**

**AIM**

To provide a forum for international collaboration and dissemination of research and applications of continuous algorithms and complexity.

**SCOPE**

Many problems in natural science, engineering, social science and business have continuous models. Hence the scope of WG 14.1 is algorithms and computational complexity for solving continuous models. By computational complexity is meant the intrinsic difficulty of solving such problems. Powerful new algorithms are of particular importance. Examples of the problems that are being studied include: ordinary and partial differential equations, continuous optimization, multivariate integration and approximation, matrix multiplication, and systems of polynomial equations.

Of special interest is the solution of continuous problems on parallel and distributed computer systems.

**WG 14.2 (DESCRIPTIVE COMPLEXITY)**

**AIMS**

The specific aims of Working Group 14.2 are:

- 1) to promote research in all aspects of descriptive complexity through conferences, publications, and more informal means of scientific interaction;
- 2) to promote interaction and the exchange of information across traditional disciplinary boundaries;
- 3) to provide a point of contact for all researchers in all disciplines interested in descriptive complexity and its applications.

**SCOPE**

The scope of Working Group 14.2 encompasses all aspects of descriptive complexity, both theory and application. These aspects include but are not limited to:

- 1) generalized descriptive complexity measures and their properties, including resource-bounded complexity, structural complexity, hierarchical complexity, trade-offs in succinctness, and the complexity of sets, languages, grammars, automata, etc.;
- 2) algorithmic and other descriptive theories of randomness;
- 3) the use of descriptive randomness and associated descriptive complexity measures in computational complexity, economy of description, cryptography, information theory, probability, and statistics;
- 4) descriptive complexity measures for inductive inference and prediction, and the use of these measures in machine learning, computational learning theory, computer vision, pattern recognition, statistical inference, and neural networks.

**WG 143 (FOUNDATIONS OF SYSTEMS SPECIFICATION)**

**AIMS**

- 1) to support and promote the systematic development of the mathematical theory and the foundations of systems specification;
- 2) To identify and investigate algebraic and logic concepts, models and formal methods for systems specification, development, transformation and verification;
- 3) to encourage the world-wide exchange of information among the researchers in the field.

**SCOPE**

All theoretical aspects of the specification and development of dataprocessing systems that are based on algebraic and logic concepts (such as abstract data types) and can be studied systematically within a theory of systems specification including the theoretical investigation of requirements definition, design specification, modularization, transformation, correctness proofs and formal semantics of specification languages.