

## Minutes of the General Assembly Meeting 6-8

September 98, Budapest, Hungary

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## 1. ACTION LIST GA 98

IFIP GA, 6-8 September 98, Budapest, Hungary

WHO	WHAT
All	Refer to GA 98 Action List and Minutes and follow-up on all outstanding engagements
All GA reps., TC and WG Chairs	Continue to revise TC (and WG, resp. by TC and WG Chairs) Membership, consider new nominations and advise Secretariat of changes in membership including contact information as soon as they occur
GA representatives	Communicate and promote to your Societies the IFIP Statements on Information Security Assessment and Certification and on Cryptography (See Annexes 1 and 2)
Member Societies in Arrears	Initiate prompt action for the payment of outstanding dues
Secretariat	Write to the Societies in Belarus, Greece and Tunisia warning them of impending actions at the end of the year
EB, Goldsworthy	Produce a Congress check-list as a substitute to the current Guidelines
EB, Granado	Consider member society reports and discussion on strategic planning for further actions
EB	Consider a scheme for sharing proceeds with TCs involved in the organization of Conferences as a part of the IFIP Congress
EB, C 2000 IPC	Pursue a plan in support of the Youth Forum
OC C 2000	In future literature include contact information for international representatives
President	Write to Member societies and TC Chairs on the ACM and IEEE CS Membership issue
Bollerslev, Nedkov	Organize inspection of the Congress 2002 venue
Bollerslev, Grafendorfer	Consider the possibility of IFIP involvement, in cooperation with CEPIS, in instituting an ICDL scheme
Aiken, Grafendorfer, Nedkov	Consider the creation of an event support function at the Secretariat and report to EB and Council
WCC 98 IPC and OC	Post the Final Congress 98 IPC Report and information on the availability of the Congress 96 proceedings on the Internet; Finalize all Congress 98 outstanding matters and report to C 99 and GA 99.
All retiring Chairs	Ensure successor is adequately briefed
Standing Committee Chairs	Implement the Charter for Committee Workers and appoint Committee members
FC, Granado	Prepare a paper on the subject how the basis of calculating Membership dues might be changed
FC	Prepare and present to GA 99 an introduction to IFIP finances and financial indicators; in cooperation with our banks consider a change from CHF to Euro as the basic IFIP currency
Treasurer	Reduce current account balances in London and Austria
PC	Work with Kluwer on improvements of the publication process; explore electronic publishing
PC	Secure publishing the Congress 2000 proceedings with IFIP's Publisher
AMB	Insert a note on event insurance in the Event guidelines and consider further improvements
MC	Pursue the production of an "IFIP Leaflet"
TC and WG Chairs	Ensure that no new IFIP events are held in countries with suspended Membership

TC Chairs	Consider input to Congress 2000 and report to C 99 and TA
IFIP Secretariat	Continue to remind of the IFIP URL and the availability of online information and documents
IFIP Secretariat	Include names of WG members in the next issue of the Information Bulletin
TC Forum	Consider interaction between TCs and WGs on emerging "hot issues" such as Electronic Commerce
TC 1 Chair	Continue to revise membership to match specifications of a TC
TC 3 Chair	Coordinate with other TCs IFIP's involvement in the UNESCO curriculum development project and further progress activities on the Harmonization of Professional Qualifications
TC5 Chair	Progress restructuring efforts

## 2. ATTENDANCE LIST GA 98

IFIP GA, 6-8 September 98, Budapest, Hungary



### Members Present

Australia	A. Goldsworthy	Vice-President
Austria	W. Grafendorfer	Vice-President
Brazil	R. Reis	
Bulgaria	K. Boyanov	
Canada	G. Boynton	
China	X. Yan	
Czech Rep.	J. Dolezal	
Denmark	P. Bollerslev	President Elect
Egypt	E. Sarhan	(representing A. Sarhan)
Finland & TC 2 Chair	R. Kurki-Suonio	
France & TC 10 Chair	J.-C. Laprie	
Germany	W. Brauer	Vice-President
Hungary	C. Gergely	
India & ICC	S. Ramani	
Israel	M. Gottlieb	
Italy & TC 1 Chair	G. Ausiello	(representing G. Sacerdoti)
Japan	T. Miura	
Malaysia	S. Masduki	
New Zealand	A. Mason	
Poland	Z. Bubnicki	
Portugal	J. Granado	
Singapore	A. Siow	
Slovakia	I. Privara	
Spain	A. del Moral	
Sweden	D. Khakhar	Treasurer
Switzerland	K. Bauknecht	President
Syria	F. Kiwan	
UK & CEPIS	R. Johnson	
USA	R. Aiken	
Zimbabwe	G. Fairall	(representing L. Gudza)
Argentina/Correspond. Member	C. Berdichevsky (Ms.)	
Honorary Member	R. Tanaka	
Individual Member	G. Morris	Secretary
Individual Member	J. Rosenfeld	NL Editor
IAPR/Affiliate Member	T. Sziranyi	
SEARCC/Affiliate Member	P. Ralston	

**Members Represented by Proxy**

K. de Brisis to P. Bollerslev  
A. Melief to R. Johnson

**TC Chairs Present**

(in addition to those listed above)

TC 3 B. Samways  
TC 5 G. Doumeingts  
TC 6 A. Casaca  
TC 7 P. Kall  
TC 8 B. Glasson  
TC 9 P. Jaervinen  
TC 11 B. von Solms  
TC 12 B. Neumann  
TC 13 J. Hammond (Ms.)

**Observers Present**

China M. Zhou  
China X. Li  
Hungary D. Sima  
Hungary I. Alfoldi  
Hungary/OC 98 Co-chair M. Toth (Ms.)  
Germany K. Brunnstein  
Japan K. Tabata  
Japan M. Yoshizawa  
Slovenia N. Schlamberger  
IEEE CS D. Carver (Ms.)  
IEEE CS M. Elliott  
Kluwer S. Delman

**IFIP Secretariat**

P. Nedkov Executive Director  
D. Hayden IFIP Secretariat

**Regrets**

Hon. Member P. Bobillier  
Hon. Member A. Rolstadas  
Hon. Member H. Zemanek  
Albania N. Frasheri  
Balarus V. Tanaev  
Belgium R. de Caluwe (Ms.)  
Ireland D. Dolan  
Italy G. Sacerdoti  
Netherlands B. Melief  
Norway K. de Brisis (Ms.)  
Thailand S. Charmonman  
S. Africa C. Guy  
Zimbabwe L. Gudza  
Iceland A. Kristjansdottir (Ms.)  
CLEI R. Cardoso  
ICCC/Affiliate Member P. Verma  
INFORMS C. Bullen (Ms.)  
VLDB E. Neuhold

**No news from**

Andorra, Greece, Russia, Tunisia, the Philippines, other Corresponding and Affiliate Members

### 3. GENERAL ASSEMBLY MEETING

IFIP GA, 6-8 September 98, Budapest, Hungary

#### 3.1 *Call Meeting to Order*

**The President** opened the General Assembly meeting and welcomed all participants. He conveyed IFIP's warm appreciation and thanks for the local organization and hospitality arrangements to Mr. D. Sima, President of the John v. Neumann Computer Society (NJSZT). **Mr. Bauknecht** was grateful to the officers and staff of NJSZT who have worked hard to organize the GA and related meetings in Budapest in conjunction with IFIP Congress 98.

**Mr. Sima** welcomed General Assembly on behalf of NJSZT and expressed his appreciation of meeting with IFIP national representatives from many countries around the world. He thanked the IFIP President for his personal assistance and contribution to the work of the IFIP Congress 98 Organizing Committee. **Mr. Sima** was pleased to report that the Congress was a great success and stressed that this fact would enhance IFIP's role and future activity in a changing world in which information technology is of paramount importance.

**The President** was happy to see the large General Assembly attendance and stressed how important it is for IFIP to be strongly embedded in its societies and in the world of informatics. He was pleased to introduce the newcomers:

Mr. K. Boyanov, new GA representative of Bulgaria  
Mr. G. Boynton, new GA representative of Canada  
Mr. S. Ramani, new GA representative of India  
Mr. A. Mason, new GA representative of New Zealand  
Mr. A. del Moral, new GA representative of Spain  
Mr. F. Kiwan, new GA representative of Syria  
Mr. A. Casaca, new TC 6 Chair  
Ms. C. Berdichevsky, representing Argentina  
Mr. T. Sziranyi, representative of IAPR  
Mr. I. Alfoldi, Managing Director of NJSZT  
Mr. X. Li, representing the IPC for Congress 2000  
Ms. D. Carver, IEEE CS President  
Mr. M. Elliot, IEEE CS Executive Director  
Mr. S. Delman, representative of IFIP's Publisher

**Mr. Bauknecht** was very pleased to introduce Mr. N. Schlamberger, President of the Slovenian Society "Informatika" applying for IFIP membership, and to welcome all participants.

**Mr. Brauer** introduced Mr. K. Brunnstein as his successor as German GA representative starting from 1 January 99. Mr. Brunnstein was an IFIP "Insider" and was involved in the organization of 3 IFIP World Computer Congresses and was a past Chair of TC 9.

#### 3.2 *Proxies and Apologies*

**Mr. Morris** announced the GA attendance, proxies, apologies and "no news" (please refer to the attendance list). 30 Full Members were present and another 2 were represented by proxy. 38 Full Members currently have voting rights.

**Quorum** - 19  
**Present and proxies** - 32

With this representation, the **Secretary** advised that the IFIP General Assembly in Budapest may proceed with its deliberations. **Mr. Morris** advised that representatives leaving the meeting should consider giving their proxy as there are important decisions to be made by GA 98 with regard to elections, site selection and other items.

### **3.3 Approval of Agenda**

General Assembly unanimously **ADOPTED** the Agenda.

### **3.4 Approval of Minutes**

**The Secretary** recalled that the Minutes come with action lists that should be observed and followed so that there is adequate follow-up on agreed actions.

#### **3.4.1 GA Canela 97**

General Assembly **APPROVED** the Minutes of the Council and GA 97 meetings in Canela.

#### **3.4.2 Council Manchester 98**

Council members **APPROVED** the Minutes of the March 98 Council meeting in Manchester.

### **3.5 President's Report**

**Mr. Bauknecht** drew attention to his written report and said that since Canela two basic issues have dominated the IFIP Agenda - future directions for IFIP in order to better satisfy the needs of its Members and the issue of ACM and IEEE CS membership in IFIP. During the current year all Members have had a chance to express their opinion and now there is a good input, both for the strategic planning and for the membership classes debate.

With respect to strategic planning, several major avenues could be followed such as strengthening links with industry and introducing a more flexible organizational structure, giving higher priority to the integration of developing countries in IFIP's work and initiating more cooperative activities with IFIP Members.

Since GA 97, the regular IFIP work has developed well, namely, a satisfactory activity level of IFIP's TCs and WGs, the year was financially successful and the support of the IFIP Secretariat was excellent.

Several priority activities required **Mr. Bauknecht's** active involvement in Congress 98 and Congress 2000 matters and in maintaining an active dialogue with IFIP Members and other international organizations.

Some difficulties were observed during the past year:

- Some TCs, WGs, IFIP Committees and IFIP Officers were inactive or have demonstrated activity below the expected levels and adequate actions in a number of cases were not taken;
- A number of publishing problems were experienced.



**Mr. Bauknecht's** overall assessment for the period was positive.

As an outgoing President, **Mr. Bauknecht** wished to say a few words with respect to his term of Presidency.

For the period September 95 - September 98 IFIP had achieved several substantial accomplishments:

1. The new IFIP communications and information infrastructure, at the heart of which is the IFIP Secretariat, has significantly enhanced IFIP's performance and visibility.
2. Serious efforts were made to improve relations with Member Societies and other partners. Some positive results were in place. There is a revived interest in IFIP activities. The NZCS had rejoined IFIP and the Slovenian Society Informatika had applied for Membership. An increased interest in IFIP is witnessed on the part of several IFIP Affiliates and IFIP's relations with UNESCO have evolved into a formal consultative status.
3. IFIP had managed to overcome its negative financial developments and since 1995 it had shown very good financial performance.
4. The IFIP mainstream output of events and publications was stable.
5. TC 1 was established and several WGs were introduced in priority areas of Computer Science and its applications.

As to the future, **the President** believes that the gathered proposals from IFIP's Members should be carefully analyzed and a Medium Term Perspective for the development of IFIP should be produced. He would personally recommend that IFIP continues to concentrate on areas in which it is traditionally strong, i.e. high quality events and publications. IFIP should seek closer contact with industry but should not forget its academic base, assert its role as an international leader in the IT field, be on the crest of IT development and assist less privileged countries and regions.

Finally, **the President** was grateful to his EB colleagues, GA representatives and the IFIP Secretariat. He warmly thanked Plamen Nedkov and Dorothy Hayden for their efficient assistance, which had greatly supported his work as IFIP President and had made it pleasant and gratifying.

### **3.6 Secretariat**

#### **3.6.1 Secretary's Report**

**Mr. Morris** drew attention to his report and recalled that IFIP currently has 38 Full Members with voting rights. The National Academy of Sciences of Armenia had fulfilled the entry requirements.

The National Academy of Sciences of Belarus was given until the end of '98 to satisfy the admissions criteria and if this is not achieved, regrettably, the provisional offer of Membership will be cancelled.

The Computer Association of Nigeria was expelled from Membership for failing to pay its membership dues for four years.

AFCET, the French Member of IFIP, had ceased to exist and efforts were made to identify a successor.

The Institute of Informatics and Applied Mathematics of Albania, the Irish Computer Society and the Russian Academy of Sciences have suspended Membership with outstanding dues from 1996. The Greek Computer Society and the Centre National de l'Informatique of Tunisia face expulsion at the end of 1998 with outstanding dues for more than 3 years.

The Philippine Computer Society, an IFIP Associate Member, remains with outstanding dues from 1996.

**Mr. Morris** was pleased to note the recommendation of the Admissions Committee for the admission of the Slovenian Society Informatika as Full Member.

**Mr. Morris** was grateful for the excellent work of the IFIP Secretariat, which responds well and proactively, seeks to identify potential problems and uses its initiative to good purpose. A few months ago fire broke out in the flat immediately above the Secretariat. Prompt action was taken but fortunately evacuation proved unnecessary and there was no damage to the Secretariat's premises. **The Secretary** was pleased to report that the supplementary pension arrangements explored by EB are now virtually complete.

The GA 98 decision to include the names of WG members in the hard copy Bulletin produced several interesting consequences:

- There was a flood of amendments and a consequent burden in updating the database. One could also suppose that outdated lists of some WGs are still in use as not everyone had responded;
- There is a wide variation in WG membership;
- The additional information and wider distribution increased the mailing costs to more than 2, 5 times the previous year's figure.

### 3.6.2 Executive Director's Report



J. Hammond, P. Bollerslev, D. Havden, B. Samways and P. Nedkov at the IFIP Secretariat

**Mr. Nedkov** delivered a PowerPoint presentation in which he demonstrated the wide spectrum of duties and engagements of the IFIP Secretariat such as Activity Support, Information and Communication, Clearinghouse functions, Financial and Accounting, Public Relations, Organization of Meetings, Advisory and other. The Secretariat's performance is targeted to support EB and the IFIP Officers and is also directly extended to IFIP's Members, Technical Committees and the IT community at large. So as to illustrate the operations of the Secretariat, **the Executive Director** referred to the stable performance of IFIP events and

publications, which have resulted in higher income for IFIP. At the same time, operational expenses reduced despite the increased level of activities.

One specific area in which IFIP and the IFIP Secretariat were successful was the IFIP Internet Hub and Gateway. **Mr. Nedkov** demonstrated some of the features, which have enhanced publicity and marketing of IFIP activities and have anchored the IFIP URL on the Internet. He said that further work is in progress and in future TC and Member society reports on activities would be available via links or directly from the IFIP URL. All this work is intended to provide further benefits and services to IFIP Members.

The staff is motivated and performance driven which is essential for an organization with worldwide operations and a small Secretariat of 2 full-time employees. In order to maintain an efficient and lean performance of the Secretariat it would be important that at the various levels within IFIP - societies, TCs, ad hoc Committees, etc - decisions are clearly formulated and information is fully completed before being passed on to the Secretariat for execution.

**General Assembly APPLAUDED.**

### **3.7 Executive Board Meeting Report**

**Messrs. Bauknecht and Morris** informed GA that Executive Board convened several meetings during the boat trip on the Danube and in Budapest. For the sake of expediency, EB decisions and discussion would be communicated under the relevant agenda items. EB had met with the President and the Executive Director of IEEE CS and GA is encouraged to support an exceptional arrangement for IEEE CS and ACM to be admitted as IFIP Full Members. The pension arrangements for the IFIP staff were complete and the initial investment will be made as soon as possible. Events in suspended Member countries were considered and TCs are requested to ensure that no new events in such countries are held until the respective societies meet their membership obligations. It was decided that the President would appoint only the Chairs of IFIP committees and leave it to them to recruit the committee members.

**The IFIP President** informed GA that AFCET was dissolved and Messrs. Laprie and Doumeingts were active in exploring a successor French organization to inherit uninterrupted the French membership of IFIP. SEE - Societe des Electriciens et des Electronicien - was identified as the successor and the IFIP President had received a letter of application from the SEE management. EB fully supports the SEE application and **Mr. Bauknecht** invited GA to vote in support of the SEE Full Membership in IFIP.

**Mr. Johnson** wished to know what would happen if a new computer society is established in France. **Mr. Laprie** explained that SEE is the French equivalent of IEE and IEEE. During the last year many IT professionals were involved in exploring possibilities for the establishment of a new society to replace AFCET. Messrs. Doumeingts and Laprie had organized a meeting with all French specialists associated with IFIP. All these efforts were carried in coordination and with the support of SEE and the overall long-term plan is to have only one computer society in France. For the time being, however, the best possible solution is to have SEE as the successor of AFCET in IFIP.

**General Assembly** voted **IN FAVOR** of SEE Full Membership to IFIP. (26 votes)

**The Secretary** drew attention to the paper entitled "Effective Committee Work" which had been commissioned and discussed by EB. It reflected concern about the lack of consultations and activity by some committees between Council and GA meetings and stressed the vital

role and responsibility of chairmen for this work. EB had endorsed a charter for Committee workers as follows:

1. No one should stand for election as Trustee or Officer or accept the chairmanship of a committee unless prepared to accept and discharge the responsibilities of those offices and attend every GA and Council meeting.
2. Committee chairmen are responsible for following up actions agreed during GA or Council meetings in consultation with members of their committees and for reporting progress and achievement to the subsequent meeting.
3. Committee chairmen are expected to take the lead in initiating discussion with their members, and for inviting suggestions from those members, about items which can subsequently be considered and presented at the next IFIP meeting.
4. As shown on page 12 of the current Information Bulletin our Officers have clearly stated responsibilities for committees. EB has decided that, in future, those responsibilities should be exercised pro-actively to ensure that real work is being done between meetings. It will be a responsibility of committee chairs to keep responsible Officers well informed about the work being done. In the extreme case when a committee chair is unavoidably absent this will make it easier for the meeting to be effectively chaired.
5. Committees are encouraged to consider electing a secretary from among their number who will assist the chairman and reduce his workload.

### **3.8 Elections**

#### 3.8.1 Officers

<b>R. Aiken/USA (1998-2001)</b>	<b>ELECTED for Vice-President (23 votes)</b>
<b>J. Granado/Portugal (1998-2001)</b>	<b>ELECTED for Vice-President (22 votes)</b>
<b>D. Khakhar/Sweden</b>	<b>RE-ELECTED for Treasurer (1999 - 2002) (28 votes)</b>
<b>R. Johnson/UK</b>	<b>ELECTED for Secretary (1999 - 2002) (27 votes)</b>

#### 3.8.2 Trustees

<b>K. Boyanov/Bulgaria (1998-2000)</b>	<b>ELECTED Trustee (22 votes)</b>
<b>C. Gergely/Hungary (1998-2000)</b>	<b>ELECTED Trustee (26 votes)</b>
<b>R. Johnson/UK (1998-2001)</b>	<b>RE-ELECTED Trustee (30 votes)</b>

<b>S. Masduki/Malaysia (1998-2001)</b>	<b>ELECTED Trustee (30 votes)</b>
<b>T. Miura/ Japan (1998-2001)</b>	<b>RE-ELECTED Trustee (25 votes)</b>
<b>S. Ramani (1998-2000)</b>	<b>ELECTED Trustee (26 votes)</b>

### **3.9 Site Selection for C 2002**

**Mr. Bollerslev** said that there were two invitations, for Montreal and Jerusalem, and introduced the two IFIP Members which have invited IFIP to host IFIP Congress 2002 - the Canadian Information Processing Society (CIPS) and the Information Processing Association (IPA) of Israel. He informed that Messrs. Brauer, Nedkov and Bollerslev have met with Messrs. Boynton and Gottlieb in Budapest to discuss their invitations and their presentations to GA. Normally a site inspection visit is conducted prior to the General Assembly but it was now agreed that an IFIP delegation (Messrs. Bollerslev and Nedkov) would visit the chosen site after GA 98 to inspect the facilities and arrangements.

**Messrs. Boynton and Carbonneau** (Canada) and **Messrs. Gottlieb and Rivlin** (Israel) made excellent PowerPoint and video presentations in support of their proposals.

In the case of Canada, a minimum CHF 40,000 guaranteed return to IFIP is confirmed, however, revenues to IFIP would be most probably much higher due to a successful record of past CIPS' conferences. Suggested levels of registration fees would approximate 795 Can \$ for Early Birds and 945 Can \$ for On Site. Approximately 150 Can \$ would be charged for accompanying persons. There would be a minimum of 25 free registrations for students (all students would have an 80% discount) and there would be a minimum of 45 free registrations for developing countries.

In the case of Israel, the minimum guaranteed income to IFIP would be CHF 50,000 but the proposal anticipates various higher income rates and profit sharing arrangements. For every 50<sup>th</sup> passenger a free El Al flight ticket would be provided and so would be a free room for every 30 Congress participant in a Jerusalem hotel. There would be 50 free registrations and accommodations for young and developing countries participants. The registration fees would be maintained at the levels of Congress 96 in Vienna and Budapest.

**The President** thanked the two delegations for their invitations and excellent presentations and invited GA to vote on the proposals.

**General Assembly** voted as follows:

<b>Montreal/CIPS</b>	<b>- 21 votes</b>
<b>Jerusalem/IPA</b>	<b>- 21 votes</b>

In accord with IFIP's regulations, **the President** submitted the casting vote in favor of Montreal, thus selecting it as the venue of IFIP Congress 2002.

**Mr. Gottlieb** congratulated Messrs. Boynton and Carbonneau, thanked everyone who had supported Israel and informed GA that IPA contemplates to renew its bid for Congress 2004.

### 3.10 Congresses

#### 3.10.1 Final Report Congress 96

**Mr. Goldsworthy** drew attention that Congress 96 was the second IFIP Congress held in Australia. It had an innovative program format featuring 3 conferences. There was an overall total of 600 participants which, despite economies and sponsorship, was not enough to yield a surplus. The Congress 96 loss to the Australian Computer Society was AUD 169,692. A surplus on related activities was achieved bringing the loss to ACS down to AUD 147,582.

In 1997, the ACS Leadership and the IFIP Executive Board were in close contact to resolve the problem of the outstanding payment to IFIP. **Mr. Goldsworthy** was happy to report that the issue is now resolved to the satisfaction of ACS and IFIP.

**Mr. Rosenfeld** wished to know the terms and conditions under which ACS will honor its commitment to IFIP. **Mr. Goldsworthy** responded that the agreement is ACS to pay AUD 50,000 in place of the original CHF 100,000.

(Please also refer to Agenda item 11)

#### 3.10.2 Congress 98 OC



<http://www.ocg.or.at/ifip98.html>  
<http://www.njszt.iif.hu/ifip98.html>

The Congress 98 Organizing Committee Co-chairs, **Mrs. M. Toth and Mr. W. Grafendorfer** were pleased to give the first post-congress report and said that Congress 98 was very special and outstanding for several reasons:

1. It took place at two different venues. There was some concern whether this could be managed but it worked well and the transfer of the congress by train and boats was excellent. Of course, the OC is grateful to St. Peter for the nice weather. The OC relied on modem communication technology and thousands of emails were exchanged between Austria and Hungary and with the rest of the world.
2. The Congress participation numbers exceeded these of the last 3 IFIP Congresses.
3. An IFIP Anthem "Allegretto IFIPiense" was introduced during the Opening ceremony.
4. The Youth Forum, a new idea, was very successful and was sponsored by Sun Microsystems and by the Austrian Government.
5. As soon as the proceedings were ready participants who had paid the registration fee were given a password and were able to access the proceedings on the Web. This was done for the first time in the history of IFIP Congresses.
6. Congress 98 had the largest ever participation support program for an IFIP Congress.
7. Payment of proceeds to IFIP will commence immediately after Congress 98.

**The Congress 98 Co-Chairs** were very thankful to the many governmental institutions, sponsors, member societies and individuals that had contributed to the organization of Congress 98. There were long lists of organizations and individuals to whom due thanks will be extended. At this point, the OC and the two organizing societies wished to mention with gratitude the support of the IFIP President, Prof. K. Bauknecht who had guided the organization at all stages.

The biggest sponsors were the Austrian and the Hungarian Governments. 30% of all income had come from sponsors - both in cash and in kind. A significant amount of the OC work was devoted to fund raising.

In addition to earlier reports, **the OC Co-chairs** provided the following interesting details:

#### **Distribution of Printed matter**

<b>Printed matter</b>	<b>Date of printing</b>	<b>No. of copies distributed</b>
First Announcement	August 1996	50.000
Posters	August 1996	5.000
Call for Papers		
SEC	May 97	10.000
ICCHP	June 97	12.000
Teleteaching	June 97	10.000
Telecooperation	June 97	8.000
IT&KNOWS	July 97	11.000
KnowRight	July 97	12.000
Second Announcement	November 97	30.000
Flyer	February 98	10.000
Program brochure	April 98	50.000
Final Program	August 98	1.500

#### **Telephone card and IFIP stamp**

In Austria, a 100 ATS telephone card with the announcement of WCC 98 was produced in cooperation with Post & Telekom Austria (circulation: 100,000). The phone card was available in January 98. In Hungary, a special stamp for WCC 98 was produced by the Hungarian post office and distributed in July 98.

#### **Opening Ceremonies**

The Opening of the 15th IFIP World Computer Congress, sponsored by Oracle Austria, was held on Monday, 31 August 98. The Opening speech was delivered by the Austrian Federal Minister for Science and Transport, Dr. Caspar Einem, and the keynote speech by Dr. Gordon Moore, Chairman Emeritus of Intel Corporation. The third Isaac Auerbach Award was presented to Prof. Heinz Zemanek.

The Opening in Budapest, sponsored by Oracle Hungary, took place on Thursday 3 September at the Vigszinhaz theatre. Dr. Kalman Katona, Minister for Transport, Communications and Water Management, delivered the Opening speech and was followed by welcome addresses from other officials of the Hungarian Government. Dr. George Metakides of the European Union delivered the Keynote speech.

### **Transfer from Vienna to Budapest, 2 September, 1998**



The boats which carried IFIP to Budapest

Participants were transferred by a special train from Vienna to Komarom and welcomed there by the city Mayor. Three big ships, tied together, carried IFIP from Komarom to Budapest passing the beautiful sights of Estergom, Visegrad and Szentendre. Participants could easily access all three boats during the trip and enjoyed the beautiful landscapes with music and dancing on board. Several meetings were organized. The trip ended with a sightseeing tour on the river in Budapest with laser display and welcome on the background of the Budapest University of Technology.

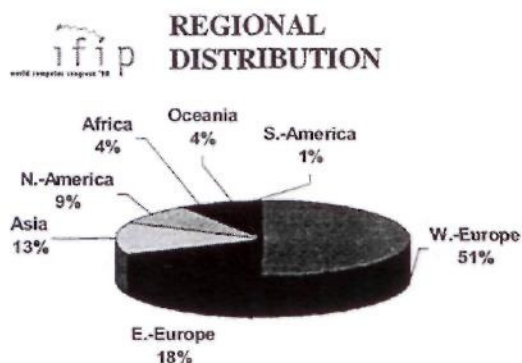
### **Funds for speakers and participants**

Funds for speakers and participants were made available, as follows:

- A grant from the European Union (ECU 31,000 = 52,000 CHF) was provided to support 63 participants from Eastern European countries and countries with emerging economies from the Mediterranean Area.
- 28 Hungarian participants received financial support from the Foundation for Technological Development of Industry, Hungary (ATS 124,000).
- Several Austrian participants were supported by the Austrian National Bank with an amount of ATS 20,000; several Austrian teachers were supported by the Austrian Federal Ministry for Education and Cultural Affairs
- FOCUS had received a grant from the U.S. National Science Foundation to provide partial travel support to 15 U.S. scientists/IT experts as participants at the 15th IFIP World Computer Congress.
- IFIP supported 27 participants from 15 developing countries with a grant of total ATS 170.000 (= 20.000 CHF)



## Registrations



## REGISTRATIONS AS OF SEPTEMBER 4

### THE TOP TEN COUNTRIES

HUNGARY	116
AUSTRIA	115
GERMANY	95
UNITED STATES	80
CHINA	57
FINLAND	55
JAPAN	52
UNITED KINGDOM	52
NETHERLANDS	36
AUSTRALIA	33

**Total: 1139 from 71 Countries**

54,3 % of registrations online via WWW

There were 300 accompanying persons.

## Proceedings

The proceedings were printed within the book series of the Austrian Computer Society. All participants received a printed copy of the proceedings of the conference they had registered for and a CD-ROM with all conference proceedings. IFIP holds the copyright and is entitled to the usual royalties.

Following this presentation, **the OC Co-chairs** delivered a check for CHF 90,000 to the IFIP President, representing a return of the IFIP loan of CHF 50,000 and the minimum contribution to IFIP of CHF 40,000. Other proceeds would be transferred when calculated.

**General Assembly APPLAUDED.**

**Mr. Bauknecht** cordially thanked Mr. Grafendorfer and Mrs. Toth for their enormous efforts without which the successful outcome would not have been possible. He complimented the excellent team work at the various levels of organization and was pleased to be assisted by and to work with dedicated and experienced persons.

**Mr. Rosenfeld** was happy to say that this was the best-organized IFIP Congress he had attended. He was pleased to observe Mrs. Toth's dedication when late one evening she was with the Congress participants personally overseeing that all went well even though she had a cast on her leg and could have left such matters to her assistants.

**Mr. Rosenfeld** was concerned about the availability of the Congress proceedings as they were not published by the IFIP Publisher. **Mr. Grafendorfer** responded that information about their availability and orders will be placed on the Internet and the IFIP Community will be informed.

### 3.10.3 Congress 98 IPC

**Mr. Bauknecht** had received some written notes from the Congress 98 IPC Chair, Mr. E. Hoerbst. A detailed report would be available at a later stage. There were 360 papers, 4 Keynote speeches, 19 invited speakers and 17 panels. Unfortunately, 30 "No Shows" were registered out of which 20 were in the Teleteaching Conference. It appears to be cheaper to register and have a paper published but not to make provisions to attend the conference.

15 parallel sessions were held with mixed attendance ranging from about 10 persons for the Fundamentals to medium and good attendance for the other conferences. The overall quality is estimated as good and one of the highlights was the Youth Forum.

All PC chairs were supported by the Congress 98 OC for which they are most grateful. With respect to the organization and the program - there were no serious complaints and most participants were happy.

Mr. Hoerbst recommends future IPCs to reconsider the policy for accepting short papers and organizing poster sessions as these could have a damaging effect. The Youth Forum in some form should continue in future. Young people would need more help and an experienced representative could facilitate the discussions as a co-chairperson. Summary sessions were appreciated and all conferences should consider incorporating such sessions in future.

**Mr. Rosenfeld** had bad experience with the tutorials and on the basis of the sampling he was able to do in Vienna his opinion is that these were not successful. **The President** said that a cancellation had occurred due to low attendance. **Mr. Ramani** said that he had attended an excellent tutorial in Budapest, unfortunately, with only 10 participants.

Mr. **Reis** wished to commend the future organization of Youth Forums and encouraged member societies to support young participants from their respective countries. This would enhance the IFIP visibility. **The President** confirmed that EB had discussed this issue and will support future initiatives.

**Mr. Johnson** pointed out the necessity for a detailed report of the IPC so that there is a proper learning process from the Congress 98 IPC experience. **Mr. Grafendorfer** confirmed that such a report would be posted on the Internet and will be available to Council and General Assembly.

#### 3.10.4 Congress 2000

**Mr. Bollerslev** informed GA that during Congress 98 in Budapest an IPC 2000 meeting was organized and attended by the IPC Chair, B. Wah, the IPC Vice-Chair, R. Posch, IFIP TC Chairs and Chinese colleagues involved in the organization of Congress 2000. There is agreement on the program design and implementation and the OC and IPC were requested to follow-up on the recommendations.

**Messrs. Zhou and Li** reported on the developments and the organization of the 16<sup>th</sup> IFIP World Computer Congress in Beijing, China. The Congress dates are 21 - 25 August 2000. The venue would be the Beijing International Convention Center with a seating capacity in its Theater Hall of up to 2,500 - 3,000 persons and with many multifunctional Halls. The proposed headquarters hotel, Beijing Continental Grand Hotel, has 1,600 rooms (80 to 90 US \$ per night). The hotel is connected by an internal passage to the Congress venue and is available for the IFIP GA and related meetings. Other hotels with an attractive variety of prices would be available. Shuttle buses will provide useful connections to/from the Congress venue to hotels and to the center of Beijing.

The Congress is hosted by the three leading national societies in the field of information processing, namely the Chinese Institute of Electronics, the China Computer Federation and the Chinese Institute of Communications. The Chinese Government, the State Council, ministries and various national and local institutions and organizations support Congress 2000.

Congress 2000 is planned as an umbrella organization of pre and post congress tutorials, exhibition, technical visits and 7 parallel conferences in the following fields:

- KSDI 2000: Knowledge Systems and Distributed Intelligence
- ICAD 2000: Conference on ICCAD and ASIC
- ICCT 2000: Communication Technologies
- ICEUT 2000: Educational Use of Communication and Information Technology
- ICSP 2000: Signal Processing
- ICS 2000: Software - Theory and Practice
- ITBM 2000: Information Technology for Business Management

The Presidents of IFIP and CIE are General Co-chairs of Congress 2000. Prof. Wah is the IPC Chair and Prof. Z. Sha is the OC Chair. The CIE President, Mr. Hu Qili is chairing a Patrons Committee, which would have senior executives of governmental and commercial organizations as members.

The OC will be based on functional units and its members would maintain liaison with the organizers of the 7 conferences. Early bird registrations (by 1 May 2000) are currently estimated at USD 495 and on-site registrations at USD 580. All persons who register before 1 October 99 would pay only USD 400. Registrations will include a Welcome reception and Banquet, access to all conferences, tutorials and other functions and a CD-ROM with all Congress proceedings. The hard copy proceedings would be charged extra. Mainland Chinese participants would pay half the price and the other half would be compensated by a government grant. Students would be charged USD 350 which would not cover the reception and banquet. The student fee would most probably be lowered and this would be decided at the OC meeting next month.

For the production of the Congress 2000 proceedings the organizers are considering a scheme similar to Congress 98 with an additional proposal to have hard copies of the Congress proceedings available only by way of individual requests received prior to the Congress.

Plans are currently developing around two participation estimates:

- Conservative (800 foreigners and 1,200 locals)
- Optimistic (1,000 foreigners and 1,500 locals)

Important dates to evaluate progress are planned as follows:

<u>Task</u>	<u>Deadline</u>
1 <sup>st</sup> Announcement available	31 August 98 (for Congress 98 participants)
1 <sup>st</sup> Call for Papers	May 99
2 <sup>nd</sup> Announcement and Call	1 October 99
Deadline for paper submissions	16 January 2000
Notification of Authors	28 February 2000
Camera-Ready papers and	
Early bird registrations	1 May 2000
Final Program	1 June 2000

**Messrs. Zhou and Li** informed that an IFIP Congress 2000 Web page is maintained at <http://www.wcc2000.org>, the Contact points were established and the Congress budget will be available before the IFIP Council meeting in 1999. Finally, **Mr. Zhou** conveyed the CIE President's greetings to GA and his appreciation of the received support from IFIP.

Mr. **Aiken** thanked the Chinese representatives for the presentation and for the WCC 2000 brochure distributed to Congress and GA 98 participants. He recommended that in future contact information is provided not only for Chinese IPC and OC members but also for international members and IFIP representatives. This way the international character of Congress 2000 would be more fully reflected in advertisements and in Congress materials. He also recommended that the OC works closely with IFIP on publications and that the social program should envisage special features for accompanying persons and spouses.

Mr. **Brauer** urged that the Software conference is expanded to include software development, "man-machine" interface and other topics. Mr. Li welcomed any specific proposals and suggestions for the TC Chairs. Mr. Bollerslev said that both TC 1 and TC 2 are well represented.

Mr. **Rosenfeld** shared that "Youth Forum" is the most appropriate term to be used if the Congress 98 youth initiative was continued. He wished to know more about the tutorials and Mr. Li responded that tutorials are planned and the specifics will be decided by the conference PCs. Mr. **Jaervinen** recommended that a Pioneers Day is considered.

### 3.11 Treasurer's Report

Mr. Khakhar drew attention to his report and said that the 1997 accounts were finalised in April 1998 in co-operation with IFIP's Auditor in Vienna. The Auditor's report was delivered on April 15, 1998.

The 1997 Result, after amortisation and depreciation according to approved policies, and after Special Funds Provisions, is a surplus of 99,449 CHF. The Result meets the forecast of 100 K CHF made by the Treasurer at General Assembly 97 in Canela and moves IFIP's funds to a new peak level.

Compared to 1996, the 1997 Result shows an increase in Income of 4% (irrespective of the Congress 96 accounts) while Expenses have declined by 5%. The Final Result, after Special Funds Provision of 143 K CHF, is an increase in IFIP's General Fund by 99 K CHF, or 7%, to 1,499 K CHF. The latter amount equals 4.5 times the actual - and reduced - expense level in 1997.

Key figures for the last five years are:

<i>(Amounts in K CHF)</i>	1997	1996	1995	1994	1993
<i>Income</i>	570	646	606	513	567
<i>Expenses</i>	327	345	447	576	569
<i>Result</i>	243	300	159	-63	-2
<i>Assets</i>	2156	1889	1520	1380	1421
<i>Liabilities</i>	138	126	58	77	55
<i>Funds</i>	2017	1763	1462	1303	1366

The **Total Income** of 570 K CHF is much better than the budgeted 498 K CHF. Income from Return on Assets, managed by UBS London since 1990 is 4 K CHF and is far less than the actual return of 33 K CHF in 1996. Dues from Members were slightly below budget. Royalties from Publications increased by 22 K CHF, or 12%, to 206 K CHF. Proceeds from TC Events increased from 41 K CHF in 1996 to 97 K CHF.

**Total Expenses** were 327 K CHF, or 36% below budget and 5% below the 1996 level. This is due to savings in communications expenses, President's reserve and Technical Support. The total Secretariat expenses for 1997 were 252 K CHF, or 15%, below the allocated budget.

Expenses of the 13 Technical Committees were in total 48% below the budgeted amount but display considerable variations. 9 TCs had a positive TC Fund balance available for 1997 and 3 TCs spent part of this balance during 1997. 8 TCs increased their Funds balance during 1997 while 3 TCs decreased it. For 1998, 9 TCs have positive Fund balances available, totalling 392 K CHF. The Technical Support expenses were 18 KCHF, or 69% below budget relating to AMB, TA and DCSC.

During 1997 two new funds, Pension Fund and Special Activities Fund, were generated. The pension fund is to be invested further in order to secure adequate pensions for the IFIP staff. The Special Activities Fund was created to meet requests made during GA 97 for initiating new activities of sustainable impact and of benefit to IFIP's Members.

**General Assembly** unanimously APPROVED the 1997 audited accounts.

**Mr. Khakhar** informed that the Australian Computer Society had presented a detailed account of the Congress 96 expenses, which was evaluated by the Executive Board in Manchester. Congress 96 had made a financial loss and IFIP was requested to waive half of the guaranteed proceeds of CHF 100 K. EB carefully reviewed the situation and provisionally agreed to the ACS request for a reduced payment of AUD 50,000 to IFIP over 5 years (AUD 10,000 per year beginning in 1998). It is therefore recommended to General Assembly to approve the ACS request.

**General Assembly** APPROVED.

**Mr. Khakhar** informed that the financial status for 1998, as at 31 July, shows an income of 497 335 CHF. This represents membership dues (280 800 CHF), royalties from publications from the last quarter 1997 (113 068 CHF), proceeds from activities (93 440 CHF) and return on assets (10 026 CHF). Total expenses during the period were 88 K CHF and were mainly of administrative character. No other major expenses have occurred. For the remaining part of the year IFIP expects to receive income from royalties (50 K CHF), proceeds from activities (25 K CHF) and return on assets (100 K CHF). On the expense side, the Secretariat and other administrative expenses are estimated at about 200 K CHF. There would be other expenses related to administrative and technical support and a write-off of the outstanding 96 Congress funds. With these in mind, **the Treasurer** estimates that IFIP should make a surplus of 200 K CHF.

In preparing the 1999 Budget, **the Treasurer** took account of the 1997 Actual Result and 1998 Budget Approved as well as the requests of the budget holders. The 1999 Budget (Proposed) implies total income of 605 K CHF and total expenses of 547 K CHF, giving a surplus of 45 K CHF as a budgeted result. On the income side Royalties of 158 K CHF are foreseen. Other components of the income consist of Members Dues (280 K CHF), Proceeds from Activities (104 K CHF) and Return on Assets (63 K CHF). On the expense side, the Secretariat related expenses are estimated at 298 K CHF.

With these clarifications, **the Treasurer** moved that the proposal for the 1999 budget be approved.

**General Assembly** unanimously APPROVED.

(Please also refer to Agenda item 19.5)

### 3.12 Technical Assembly

**Mr. Brauer** drew attention to his report and said that TA supports the proposal of the TC Forum for the creation of a new function at the IFIP Secretariat to help event organizers in organizing IFIP events and to market IFIP events within the IT community. The idea is to have an additional person at the IFIP Secretariat for a minimum of 2 years who could develop corporate knowledge on major series of IFIP events, advise organizers on specific issues related to organization and event approval and facilitate in promoting and marketing IFIP events internationally. Mrs. Hammond and Mr. Glasson will prepare an initial draft for a job charter and this would be further coordinated with the AMB and MC Chairs. **Mr. Aiken** said that AMB also considered and is supportive of this proposal and feels that further progress should be closely coordinated with the Executive Director and the IFIP Secretariat. The **TA Chair** said that this is self-evident and Plamen and Dorothy would be closely involved in all further progress and decision making. **Mr. Rosenfeld** thought that it would also be useful to create at the Secretariat a repository of knowledge and guidance for future congresses.

TA considers it very important that all event organizers are made aware of the problem of event insurance. AMB should formulate a "memorandum on insurance of events" and the event form should be revised so as to contain a statement that event organizers have considered the insurance issues. IFIP should also look into the possibility of setting up a contingency fund. **Messrs. Aiken and Nedkov** reminded that this issue was discussed by EB and the recommendation is that there should be no change to the current policy, i.e. event insurance should be regarded as a local issue. **The President** confirmed EB's recommendation on event insurance and said that a note of clarification should be incorporated in the Event Approval Guidelines.

**The TA Chair** requested EB to develop a scheme for sharing proceeds from World Congresses with TCs actively contributing to the organization of a Conference. As a general rule, TA proposes a 50% share when there is substantial involvement. **The President** said that EB would consider this with regard to Congress 2000 and onwards.

**Mr. Brauer** informed of the creation of new WGs

**WG 1.6 "Term Rewriting"**

**WG 12.6 "Intelligent Information Management"**

**WG 13.5 "Human Error, Safety and System Development"**

and of modifications to the names, aims and scopes of

**TC 3, TC 12, WG 3.1, WG 3.2, WG 6.7, WG 8.2**

TA supports the proposal of the IPC chair to add two new sub-conferences to the Congress 2000 program, namely on High Performance Computing (with an active TC10 contribution) and on Telecooperation (with strong TC8 participation). Other TCs are also interested and available to support the Congress program.

**The TA Chair** informed that TA would not support a change to the current rules for the participation of IFIP Member representatives in TCs and WGs.

TA requests the Publications Committee to consider carefully the technical details of IFIP's cooperation with Kluwer and to ensure that the problems which occurred during the transition period causing severe problems to the operations of several TCs and their Working Groups will not occur again. The Publication contract should not be interpreted by Kluwer in a way which devalues the previously offered services by C & H.

**Mr. Brauer** drew attention to the TC 11 Statement on Information Security Assessment and Certification and said that TA proposes to GA to adopt it as an IFIP statement. **Mr. von Solms** pointed out that the statement is wide and generic and TC 11 aims to give some guidelines to societies that are active in the field. **The President** moved that GA adopt the document as an IFIP Statement.

**General Assembly** voted IN FAVOR.

(Please refer to ANNEX 2 for the Full text of the Statement)

**Mr. Brauer** informed that TA had considered publications of TC and WG state-of-the-art reports and believes that currently it is best to do this in electronic form. This issue will be revisited. TA had welcomed the announcement of the TC 1 Chair that 2 new WGs are in the process of establishment and they will actively cooperate with other TCs - WG on "Computational Logic" in cooperation with TC 2 and WG on "Formal Methods in Security" in close cooperation with TC 11. TA proposes that the task group on "Electronic Commerce" proposed by TC 6 should be a joint activity of several TCs, and requests the TC Forum to find an appropriate structure. TA recognizes the activities of the TC 5 Chair to restructure TC 5 and wishes him success.

**Mr. Bauknecht** informed that he had attended the 1<sup>st</sup> Conference on Electronic Commerce and had advised the organizers and TC 6 that the future establishment of a group should involve several TCs. He had offered to organize a follow-up event in Switzerland and would appreciate some guidance. **Messrs. Casaca and Solms** replied that the TC Chairs are investigating the matter.

Finally, **Mr. Brauer** informed that the series of TC Chairpersons' reports on the status of their TCs was continued in Budapest with a report of the TC 2 Chair. The IAPR representative delivered a separate report.

**The President** thanked the TA Chair for his hard work.

### *3.13 TC Forum*

**Mrs. Hammond** drew attention to her report and said that in future, tutorials and other Congress activities requiring the involvement of TC Chairs should not overlap the organization of the General Assembly and related meetings. The TC Forum had considered the reporting procedures to GA. It was agreed that models for the structure of TC reports to GA should continue to be explored. The Forum had looked into the TC 11 Guidelines for its members in order to provide a possible model to other TCs.

**The TC Forum Facilitator** informed that TC Chairs were very pleased with the inclusion of the names of all WG members in the hard copy of the 1997 Bulletin. This is viewed as important as the Bulletin is a frequently used resource. The TC Forum recommends that WG members are included in future hard copy Bulletins. It is also recommended to consider including the WG aims and scopes in future editions. **Mr. Morris** advised that EB will consider the matter, however, it should be said that the hard copy Bulletin becomes outdated as soon as it is out of the printers. For this reason an online version is maintained by the Secretariat. **The President** referred to the PowerPoint presentation and the demonstration of the online Information Bulletin. **Mr. Nedkov** pointed out that practically everyone in IFIP should be able to have access to the Internet. IFIP should encourage the use of electronic repositories of information to facilitate its work and to be more efficient in its operations.

As to the future TC Forum organization, TC Forum Members felt that the time for changing the Facilitator should be altered to coincide with the close of the General Assembly each year. For this reason it was agreed that Mrs. Hammond should continue in office until the close of GA 99.

The President thanked Mrs. Hammond and the TC Chairs for their hard work in promoting IFIP.

(For the sake of integrity and to avoid overlap, many of the issues and recommendations of the TC Forum are reported under Agenda item 12)

### **3.14 Members' Forum**

#### **3.14.1 Membership Classes**

Mr. **Goldsworthy** recalled the IEEE CS proposal at GA 97 for a new membership category called International Professional Society (IPS). In the light of earlier discussions on multiple membership during the March 98 Council meeting in Manchester it was felt that a major change such as introducing IPS was not the ideal solution.

On 22 May 1998 the IFIP President had written to the Presidents of all National Member Societies:

"...irrespective of whether you may or may not be in favor of more than one Full Member in respect of your country, it would be very helpful to have your view on admitting both ACM and IEEE Computer Society as Full Members for the US (each with all the rights and responsibilities of a Full Member, e.g. each would pay a full membership fee). This would be a special case and any similar applications from other countries/organizations would be dealt with on an individual basis. It is anticipated that it would be highly unlikely for such an application to gather the support of the General Assembly if the current Full Member from that country is opposed.

Saying this, I wish to encourage you to express the view of your society on admitting both ACM and IEEE Computer Society as Full Members."

62% of those who replied by 11 August were in favor of the President's proposal concerning the two societies, (or 8 Full Members out of 13). Two societies supported admission of both societies but with only one vote for the USA and three Full Members were opposed to changing the present system.

The IEEE Computer Society responded that they would like to remain a part of IFIP and that the best way to achieve that is the IPS membership. Any similar proposal, however named, would be acceptable if it is consistent with the kind of flexibility related to the IEEE CS membership representation and international character. ACM wrote that it is committed to its participation in IFIP activities but does not wish to restrict its participation to that of a US only organization. FOCUS responded that as a creation of IEEE CS and ACM it would dissolve and no longer exist as of 31 December 1998. FOCUS supported the proposal of its owning members for an IPS. FOCUS further asserted that both societies would assist in finding a suitable US member to IFIP although they would not be able to play such a role.

**The Task Group Chair** ended his report by saying that the Task Group cannot put forward a clear recommendation reasonably encapsulating all views. The matter warrants and needs a GA debate. At the same time GA representatives should be supportive of the membership of the two societies. They have knocked on IFIP's door and should be admitted. The nature of



their representation is a secondary issue. GA has to be pragmatic and the prime issue is to admit ACM and IEEE CS as Full Members.

Finally, **Mr. Goldsworthy** referred to the Statutes and Bylaws Committee-report and moved that GA approves the following:

*a) In recognition of their status as international professional societies it is proposed that the ACM and the IEEE CS be admitted as Full Members of IFIP with effect from January 1<sup>st</sup>, 1999.*

*b) It is further proposed that Statutes & Bylaws be amended as follows:*

*Statute 3.1 (a) Line 3*

*Insert "normally" after "shall" to read "...there shall normally be only one Full Member..."*

*At the end add a new paragraph*

*"In very exceptional circumstances GA may approve the admission of more than one Full Member from a country provided that*

- 1) each such Full Member shall satisfy the entry requirements stated above*
- 2) such Full Members shall mutually support each other's membership application.*

*Such Full Members shall enjoy the same rights and obligations as other Full Members."*

**Mr. Granado** pointed out that it is desirable to have the two societies as IFIP members but if two votes are given to the USA then all other national members should receive 2 votes as well.

**Mr. Gottlieb** opined that conclusions should not be made entirely on the Presidents' replies and that the matter requires an extensive GA debate. **Mr. Goldsworthy** agreed.

**Mr. Rosenfeld** was uncomfortable that the whole membership issue does not follow the IFIP rules, i.e. to have a recommendation submitted by AC 40 days in advance of a GA meeting. **Messrs. Goldsworthy, Bauknecht** and **Morris** did not see any irregularities as the issue was raised during GA 97 and all Members were kept well aware of the developments since then.

**Mr. Brauer** was not happy that IFIP is working under time pressure to decide on this membership. He wondered whether the agreement to dissolve FOCUS is intended to precipitate a decision.

**Mr. Kurki-Suonio** said that the proposal to solve the problem is reasonable and pointed out that the former Soviet Union had in practice 3 votes in the UN.

**Mr. Boynton** stressed the credibility of the two societies and was in favor of admitting them to IFIP Membership.

**Mr. Laprie** reminded that information and reports were circulated by the Secretariat well in advance of the GA meetings. TC 10 supports the admission of both societies since organizations and not countries are represented in IFIP. **Messrs. Johnson, Granado and Brauer** disagreed as IFIP was established on the principles of national representation and while everyone wished to see the two societies active in IFIP the principle of "one country one vote" should be followed.

**The President** invited Ms. Carver, IEEE CS President, to address GA. **Ms. Carver** pointed out that 43% of the IEEE CS membership is non-US and this will soon exceed 50%. In her

opinion, a representation of the USA would not do justice to the international membership of IEEE CS. ACM is in a similar situation. Any type of non-full voting rights would not be acceptable. **Mr. Johnson** was interested in the non-US representation on the IEEE CS Board. **Mr. Elliott** said that out of the 27 Board members 9 reside outside of the USA.

**Mr. Rosenfeld** was distressed with the idea that there will be no US national representation to IFIP. There should be someone speaking of the US interests in IFIP and this should be resolved together with any accommodation of the two societies. **Mr. Johnson** reminded again that IFIP is governed by Statutes and Bylaws which have evolved on the basis of national membership. **Mr. Morris** responded that the Statutes can be amended and, given the exceptional character of the two societies, GA could agree to have them as Full members if they accept the term "from the USA". **Mr. Goldsworthy** asserted that IFIP should be pragmatic in dealing with the US membership, and that of the two societies, just as it was pragmatic in introducing the concept of Regional membership years ago.

**Mr. Rosenfeld** wished to know whether IEEE CS, if accepted as Member, would be willing to be considered as a US society. **Ms. Carver** responded that IEEE CS does not wish to have the US label.

**Mr. Gottlieb** reminded that there would be serious problems if IFIP opens national competition for membership. The Israel Member of IFIP is IPA and there could be a problem if another Israeli society begins to lobby for IFIP membership.

**Mr. Miura** was positive about a strong IEEE CS and ACM participation in IFIP but felt that IFIP should comply with the "one country - one vote" principle.

**Mr. Johnson** was anxious to understand whether first there would be a vote on the proposed amendment of the IFIP Statutes and Bylaws and then a vote on the membership of the two societies. **Mr. Morris** expressed a view that there was a "Catch 22" situation and clarified that the two societies would have to become members on the conditions laid in the Statutes and Bylaws. It was said that IEEE CS does not wish to be regarded as a national Member. If the amendments are passed, a degree of multiple membership would be accepted and therefore the possibility of having two societies from the UK, Germany, Portugal and other countries would exist. On the other hand, if IEEE CS and ACM are not prepared to become Members from their country then GA is wasting time.

**The President** recalled the motion and encouraged GA to proceed with a vote on the SBC proposal.

The **Secretary** advised that the vote should be carried in two parts:

- part a) relating to Membership should be voted only by Full Members
- part b) containing the S & B amendment should be voted by Full Members and TC Chairs

**Mr. Rosenfeld** inquired whether a positive vote on a) automatically would admit the two societies. **The Secretary** responded that admission is dependent on the conditions set in b).

**Mr. Laprie** felt that reference to IPS should be dropped in part a) and **Mr. Masduki** advised that there is an unnecessary commitment with part a). GA should first vote on the mechanics in part b).

**The President** requested to know whether GA wished to change the sequence of the vote by voting first on b).

**General Assembly AGREED.**

(21 in Favor and 14 Against).

**Mr. Aiken** said he intentionally refrains from comments but wished GA to know that both the societies and IFIP had worked towards the possibility of membership. He is supportive of Mr. Goldsworthy's comments that GA should be pragmatic and look at the broader picture of the long-term benefits.

**Messrs. Goldsworthy and Morris** explained that 75% of all votes cast on b) need to be in favor so as to pass the motion. Abstentions are discouraged since, if cast, they would be the equivalent of voting "Against".

**The President** clarified that both societies had agreed to consider extending the existence of FOCUS for one more year. If this motion is lost there would be no US representation as from 1 January 1999. With these words **Mr. Bauknecht** invited GA representatives to submit their votes.

**General Assembly** voted as follows:

<b>For</b>	<b>- 26</b>
<b>Against</b>	<b>- 13</b>
<b>Abstentions</b>	<b>- 2</b>

The motion was LOST.

**Mr. Granado** stated that no one was against the two societies but there were problems and this should be clearly realized. He put forward again the idea of 2 votes per country. **Mr. Elliott** said that the societies are not interested in "half a status half a vote" arrangement.

**Mr. Brauer** was unhappy that the whole issue was discussed and voted under pressure. He thought that IFIP should revisit the issue in future and reconsider an IPS membership class. **Ms. Carver** reminded that this suggestion was forwarded a year ago.

**Mr. Goldsworthy** pointed out that it is acceptable to recommit a vote if an issue is considered of extreme importance and pleaded that GA agrees to recommit the vote of the persons who were against.

**The Secretary** admired Mr. Granado's suggestion and said that IFIP went a long way to achieve a generally accepted agreement that both societies should be admitted, exceptionally, as members from the USA sharing one vote. Unfortunately, the two societies were not willing to compromise. When **Mr. Morris** was GA representative he always voted for the good of IFIP. Sharing a vote between the two societies is a small compromise and should not be regarded as the essence of membership. **Mr. Rosenfeld** wholeheartedly agreed and wished to know what would happen if both societies and FOCUS continue in IFIP. **The Secretary** said that FOCUS would be dissolved but the idea is to search for another society to represent the USA.

**Mr. Aiken** reminded that the IFIP leadership had actually encouraged the continuation of FOCUS. He was upset by the comments that IFIP is willing to compromise while the societies are not. The societies have negotiated in good faith and have maintained contact with the IFIP Executive Board all along.

**Messrs. Goldsworthy and Grafendorfer** urged that the vote should be recommitted. **The Secretary** recalled that EB has made it clear that the decision lies within GA and that there should be no misinterpretation on this. **Mr. Ramani** said that most GA representatives are confused from the long discussion and suggested that GA revisits the issue next day.

**The President** postponed the discussion.

**Continuation of discussion on 8 Sept. 98**

**Mr. Bollerslev** reminded of the proposed recommitment and said that EB had prepared a Resolution as follows:

*IFIP GA agrees that*

- i) Recognizing their status as international professional societies GA wishes that the IEEE CS and ACM be able to take a full part in IFIP activities.*
- ii) GA confirms that they should enjoy the status of Full Members, including voting rights, as of January 1st 1999 or as soon as possible thereafter.*
- iii) Noting that FOCUS is to be wound up on 31st December 1998 GA does not recognize any need to admit a new USA Society at the current time.*

**Mr. Rosenfeld** was on the opinion that everyone should vote on this Resolution as it is not by itself a binding document.

**The Secretary** said that according to the rules, unless otherwise stated, an absolute majority of 50% in favor is required; abstentions would be the equivalent of voting "Against".

**Mr. Gergely** was not clear whether the resolution is an expression of intent or whether it is binding. **Mr. Rosenfeld** was unhappy with the unclear and misleading procedure. He wished to know what are the intentions. **Mr. Bollerslev** responded that the intention is to have ACM and IEEE CS admitted as Full Members.

**The Secretary** advised that only Full Members should vote on each of the 3 parts of the Resolution.

The 3 motions were CARRIED (with absolute majority) and, thereby, **General Assembly** APPROVED the Resolution.

**Mr. Bollerslev** moved that GA approves an amendment to the Statutes and Bylaws as follows:

Statute 3.1 (a) Line 3

Insert "normally " after "shall" to read "...there shall normally be only one Full Member... "

At the end add a new paragraph

*"In very exceptional circumstances GA may approve the admission of more than one Full Member from the USA provided that*

- 1) each such Full Member shall satisfy the entry requirements stated above*
- 2) such Full Members shall mutually support each other's membership application*

*Such Full Members shall enjoy the same rights and obligations as other Full Members."*

Motion CARRIED (by the required three-quarters majority) with Full Members and ex-officio Members voting.

<b>For</b>	- 27
<b>Against</b>	- 6
<b>Abstentions</b>	- 3

Mr. **Aiken** wondered if, in addition to the Resolution and the Amendment to S & B, there would be a mail ballot for the admission of the two societies. **The Secretary** said that he would look into the rules but doubted that any additional ballot would be necessary.

**Mrs. Hammond** said it would be helpful if a short message on this is sent to the TC Chairs.

### 3.14.2 Member Society Reports

**Mr. Morris** said that in the submitted 24 national reports many society activities are mentioned and a number of references are made with regard to management issues, websites and electronic communications, financial problems, involvement in training and professional qualifications. Some societies refer to flexible organizational structures and links to industry. Many consider that priority should be given to the needs of developing countries and that further cooperative efforts should be initiated with Members and associated international organizations. Some refer to the ECDL and the money and prestige that it brings.

An edited selection of the reports would be considered for possible actions.

Mr. Siow referred to the ECDL initiative and said that in Singapore a PC proficiency certificate was introduced and IFIP Members are welcome to investigate this model. **Mr. Fairall** said that in Zimbabwe ECDL was renamed to ICDL (International Computer Driving License). **Mr. Boynton** thought that some aspects of ECDL correspond to similar Canadian initiatives. **Mr. Bollerslev** informed that IFIP and CEPIS have considered the possibility for IFIP to distribute an ICDL internationally.

(Please be informed that all member society reports submitted electronically are available from the online GA 98 Minutes at <http://www.ifip.or.at/minutes/budapest98.htm>)

### 3.14.3 Member Presidents' Meeting

**Mr. Bauknecht** informed GA that the Presidents Meeting and joint IFIP/CEPIS Presidents' Dinner was held during Congress 98 in Vienna. 12 Presidents were represented at the meeting and there was a very constructive discussion on membership classes, strategic planning and future priorities for IFIP. Some of the recommendations would be reflected in the discussion on strategic planning. The **President** was happy that EB had this opportunity to meet with member society presidents and listen to their views on a number of important issues. Such meetings will be organized during future IFIP congresses and **Mr. Bauknecht** encouraged presidents to plan attendance.

### 3.14.4 Member Society Priorities and Strategic Planning

Mr. **Goldsworthy** gave a brief overview of the ongoing process of strategic planning which was initiated during GA 96 in Canberra. He said that in May 98 the IFIP President had requested all member societies to identify the three most important issues which they feel that IFIP should address in its activity. IFIP Members from Albania, Argentina, Austria, Belgium, Egypt, Hungary, Japan, Norway, Singapore, Spain, Sweden, Switzerland and the USA had directly responded with proposals and further recommendations were made by other member societies in the 24 annual reports.

On the basis of this material and also in view of further discussion during the Presidents' Meeting Mr. **Goldsworthy** has prepared the following **Strategic Plan Action Agenda**:

1. Institute a program to more actively involve participation from industry.
2. Improve visibility of IFIP in the USA and US participation in IFIP.
3. Provide more assistance to developing countries to improve their technical competence.
4. Promote closer cooperation between IFIP and other appropriate organizations, including Members and national governments.

**The President** thanked all societies who had contributed with proposals and said that it is up to the new President to further progress this exercise by initiating concrete actions in the identified areas. **Mr. Bollerslev** responded that he would appoint a member of the EB to oversee further progress. **Mrs. Hammond** wished to point out that the Action Agenda also directly relates to the work of IFIP's Technical Committees and in some of these areas TCs are active.

### 3.14.5 Membership of TCs and WGs

**Mr. Morris** referred to his paper which was commissioned by EB and pointed out the legal regulations, current status and arguments "for" and "against" possible limitations.

#### **Technical Committees**

Until 1995 membership of a TC was limited to "one representative from each Full Member". At GA 95 membership of a TC was extended in two ways (Bylaw 4.3.2):

- a) "one or more representatives recommended by the TC and accepted by the relevant Full Member". These members have full, equal rights to those of the original representatives.
- b) "persons who possess expert or specialist knowledge, who need not be members of an IFIP Member organization." They have no voting rights and may not be elected as officers.

Ignoring TC 1, which is in transition and has quite exceptional membership, of the remaining eleven TCs four have membership which conforms to the pre-1995 specification. Other TCs appear to have varying numbers of additional members. There are no central records to show into which of the above categories (a) or (b) these extra members fall.

The principal argument in favor of limiting TC membership to one representative per Full Member is that a TC is essentially a management committee for a technical subject and it should be Members' representatives who make the decisions, since Members fund IFIP.

The principal arguments in favor of opening up TC membership are essentially practical or pragmatic to secure more reliable international contributions to TC work and to involve handpicked scientists who are leaders in their fields.

#### **Working Groups**

A WG "consists of technical experts.... without consideration of nationality. Membership is not restricted to those who belong to an IFIP Member society". Member societies are not involved in appointments to WGs and may not know the individuals. There are no records showing the affiliations of WG members. Any member of a WG may be appointed or elected to be an office-holder of the group.

The principal argument in favor of limiting WG membership to the members of Member societies is that it provides recognition that IFIP belongs to its Members who can reasonably expect to be a vehicle for feedback to its own members of the results of WG endeavors.

The principal argument in favor of open WG membership is that the best work demands the participation of the best people wherever they are to be found.

**Mrs. Hammond** said that the TC 13 information for the Bulletin was erroneously provided. The actual status is very much similar to other TCs; WG Chairs were included as TC members.

**Mr. Brauer** expressed the TA position that there is no reason at the moment to change the Bylaws and the current practice. As German GA representative he also wished to share that GI supports German participants in WG activities, especially when these are young people.

**Mr. Gottlieb** felt that the problem does not relate to the number of representatives but to voting rights.

**Mr. Johnson** was of the opinion that part b). of Bylaw 4.3.2 should fall and that it is in the interest of IFIP to have strong societies. IFIP membership should be valuable and for this reason IFIP's members should have a stronger influence at the technical level. **Mr. Bauknecht** recalled that the "b." provision was introduced with a GA decision in '95.

**Mr. von Solms** said that the TC and WG membership is not a real issue and in most TCs the "b." option is not even considered. Even when it is considered national representatives are asked for approval. As to WG membership he should point out that it is in the interest of IFIP to have information disseminated as widely as possible. In many cases there are no official WG membership lists and the general tendency is to organize "open" rather than "closed" workshops. He would be happy with a strict organization at the TC level and with open mode WG operations.

**Mrs. Hammond** and **Messrs. Glasson** and **Doumeingts** pointed out that the scientific work is carried at the WG level while the TCs serve as management teams. Sometimes national representatives were not active and it becomes important to find others who are willing to contribute.

**Mr. Casaca** informed that TC 6 up to now has only one member per country. All experts are at the WG level - they can attend TC meetings but they are not members and do not have a vote. Most IFIP members are represented. He expects that IFIP GA representatives would be proactive in recruiting members from their societies when such representation is requested.

**Mr. Aiken** said that his society has addressed the issue on a case by case basis. **Messrs. Laprie and Kall** opined that there should be a dialogue between the TC and the Member societies on all appointments.

**The Secretary** thought that it would be extremely helpful for any future discussion if GA expressed its opinion on the subject by way of a straw vote which resulted in the following:

1. Preserve the current TC membership status (Clear majority)
2. Retain part b. of Bylaw 4.3.2 (Clear majority)
3. Retain the established conditions for WG membership (Unanimous)

### ***3.15 IFIP Position on Cryptography***

The TC 11 Chair, **Mr. von Solms** presented the Statement on Cryptography and said that it has appeared as a TC 11 document and has greatly achieved the intended impact. **Mr. Bauknecht** considered that it would be useful if the Statement is adopted as an IFIP Position on Cryptography and invited GA to approve it.

**General Assembly** unanimously APPROVED.

(The IFIP Position on Cryptography, as adopted by GA, is included in ANNEX 1)

**Mr. Johnson and Mrs. Hammond** recommended that the Statement is directly accessible from the IFIP homepage.

### **3.16 Activity Management Board**

**Mr. Aiken** drew attention to the various documents included in the AMB Report and said that during the meeting with the TC Chairs a proposal was forwarded for a possible new resource at the IFIP Secretariat to facilitate the organization of IFIP events. The AMB Chair offered to assist this in cooperation with the IFIP Executive Director and review the implications and functions of such a resource.

**The AMB Chair** informed that the matter of IFIP Events liability insurance was investigated on a number of occasions. EB had revisited the issue and holds the opinion that insurance is a local issue and there should be no change in the IFIP policy on event insurance. Event organizers should be encouraged to provide insurance, if necessary, via arrangements with the hosting institution. If that is not possible then they should insure the event and include the costs as a conference expense.

**Mr. Aiken** reported that the IFIP Event Approval Guidelines are a constantly evolving document. Immediately after Council 98, a group consisting of Messrs. Glasson, Johnson and Aiken worked with the Secretariat to produce a Supplement to the Guidelines intended to facilitate the work of conference organizers. Mr. Glasson had offered to augment the supplement with concrete examples.

The activity management has experienced no major problems and has run smoothly, for which **Mr. Aiken** wished to thank Mrs. Hayden and Mr. Nedkov for handling all activities and leaving the AMB Chair to concentrate on policy issues.

**Mr. Nedkov** was pleased to say that 1998 was again a good year with respect to IFIP Event organization. Given the fact that Congress 98 was an umbrella event of 7 individual conferences recorded as one federated event, the 68 so far recorded events for 1998 show a high activity level. **The Executive Director** informed General Assembly of the following statistics:

#### **I IFIP EVENTS (as at 20.8.98)**

	<b>TOTAL</b>	<b>FULL</b>	<b>MAIN</b>	<b>CO-</b>	<b>JOINT</b>	<b>OTHERS</b>	100%
1995	68	11 16.18%	37 54.41%	15 22.06%	2 2.94%	3 4.41%	
1996	64	6 9.38%	34 53.13%	17 26.56%	4 6.25%	3 4.69%	100%
1997	73	19 26.03%	30 41.10%	17 23.29%	1 1.37%	6 8.22%	100%
total	79	16	37	24		2	
out of these for		20.25%	46.84%	30.38%		2.53%	100%
1998	68						
1999	10						
2000	1						



Proceeds from Events were on a satisfactory level. CHF 76,219.49 were received during the period 1.1.98 - 13.8.98. The event management process following GA 97 has run fairly smoothly and some good results were in place.

**Mr. Rosenfeld** wished to know how many events would be organized during the whole of 1998 and **Mr. Nedkov** said that the total number would be approximately the same as in 1997.

**The Secretary** commended AMB for meeting in Manchester immediately after Council and encouraged others to consider holding similar short, intensive working meetings.

### **3.17 Publications Contract**

The Publications Committee Chair, **Mr. Johnson** informed that an invitation to tender was issued in early June 98. There were a number of expressions of interest and the Publications Contract Group consisting of Messrs. Khakhar, Morris, Nedkov and the PC Chair carefully reviewed the submitted documents and prepared a short list. Following further contact the Group submitted a recommendation to the IFIP Executive Board to renew the existing contract on the grounds of best financial prospects, uninterrupted production of proceedings, unified marketing of IFIP books and the likelihood of substantially increased USA sales.

**Mr. Johnson** mentioned that the tender was confidential and details are not to be publicly disclosed, however, should anyone from GA wish to know more about the Publishers agreement the PC Chair is available for contacts.

**The President** informed GA that the Executive Board has reviewed the recommendation and has decided to continue with the existing contract for another term, which expires at the end of 2004.

### **3.18 Technical Committees**

(Please be informed that all TC reports submitted electronically are available from the online GA 98 Minutes at <http://www.ifip.or.at/minutes/budapest98.htm>)

#### **3.18.1 TC 1 Foundations of Computer Science**

**Mr. Ausiello** reported that TC 1 held its first meeting in Bologna in July 1997. Soon after, Prof. Roberto Gorrieri was appointed as TC 1 Secretary. The second meeting was held on 29 March 98 in Lisbon and a third meeting was organized in Brno, the Czech Republic, in conjunction with MFCS 98. The next TC 1 meeting will be organized in conjunction with FCRC in May 99 in the USA. Appointments of Vice-chairs are pending.

The TC 1 WWW site is available at <http://hermes.dis.uniroma1.it/Ifip-Tcl/>.

**The TC 1 Chair** noted that 9 National Societies have formally nominated their representatives to TC 1. These are from China, Germany, Hungary, Japan, Poland, Portugal, Slovakia, Thailand and the United States. The rest of the TC 1 membership remains essentially the same as the former SG 14. The 5 WGs have the active involvement of leading experts and in most cases the groups are widely recognized in their respective fields. All are involved in the planning and organization of events and efforts are made to recruit young researchers.

**Mr. Rosenfeld** wished to know about the status of the book on Algebraic Foundations of Systems Specification which is scheduled to be published as an IFIP state-of-the-art book by Springer Verlag. **Mr. Ausiello** responded that the project was temporary delayed due to some health problems of one of the editors and past WG 1.3 Chair, **Mr. Kreowski**.

### 3.18.2 TC 2 Software: Theory and Practice

**Mr. Kurki-Suonio** reported that the last TC 2 meeting was held in conjunction with a WG 2.2/2.3 conference on Programming Concepts and Methods in Shelter Island, NY, on 12-13 June 98 and was attended by 14 members (national representatives and WG Chairs) and 1 advisor from industry. The next meeting is scheduled for August 99 in Poland.

The location of the TC 2 homepage is at <http://www.cs.tut.fi/~rks/ifip/tc2.html>

Since the March 98 Council meeting a new representative was nominated from the Czech Republic. The representation of Australia, France, Israel, Italy, Portugal, Slovakia, South Africa and Sweden is inactive.

TC 2 has a new Secretary. There are no new WG officers since C 98 in Manchester. Most TC 2 working groups are active and four books were published in 98. A new conference on Software Architecture is planned for February 99 with one of its objectives being to explore whether a new TC 2 WG should be established. 4 working conferences were organized during 98 (some have experienced a decrease in expected attendance) and WG 2.3 was involved in the organization of a Winter School in Cape Town, South Africa.

**Mr. Rosenfeld** wondered whether other TCs experience decreasing event attendance. **Mr. Bubnicki** was interested to know whether TC 2 coordinates activities with other TCs and **Mr. Kurki-Suonio** responded affirmatively.

### 3.18.3 TC 3 Education



TC 3 Officers together with the IFIP Presidents at the Secretariat in Laxenburg

**Mr. B. Samways** informed that the 49<sup>th</sup> meeting of TC 3 was held on 29 and 30 August 98 in Vienna. The 50<sup>th</sup> meeting is scheduled for August 99 in Irvine, USA and the 51<sup>st</sup> meeting is planned for 24-25 November 2000 in Copenhagen, Denmark. There are changes and additions to the TC 3 membership list from Australia, Brazil, China, Greece, India, Israel, Italy, Japan, Portugal, USA. A new WG 3.3 Chair and Vice-Chair were appointed.

The TC 3 WGs were active. Some problems were encountered with the unexpected resignation of the WG 3.3 Chair, the change in dates of a WG 3.7 meeting, the sale of C & H to Kluwer and some personal difficulties of the TC 3 Secretary which have resulted in inconsistent communications.

TC 3 continues its involvement in the International Olympiads in Informatics and future joint activities with CEPIS are envisaged. Links with other TCs are encouraged with a History of Computing project with TC 9 and a workshop during the TC 13 INTERACT 99 Conference. The TC 3 Journal on Education and Information Technologies continues in its 3<sup>rd</sup> year and all GA representatives should help in encouraging and promoting personal subscriptions. In 99 Mrs. D. Watson (GB) will take over as the Editor-in-chief.

The TC 3 Web pages continue to expand and are becoming an excellent source for TC 3 information thanks to the efforts of the TC 3 Vice-Chair, R. Morel.

Financially TC 3 needs support as education in general has always had limited funding. The TC 3 Chair believed that it would be useful to continue the "Guidelines for Good Practice" series and to support a project for the TC 3 website to offer a route into national education policies for which financial support would be needed.

Mr. Samways recalled that Ian Mitchell, TC 3 National Representative for New Zealand, leads the project for the Harmonization of Professional Qualifications under the management of the TC 3 Chairman. Currently the writing party consists of 4 persons: I. Mitchell, P. Juliff (WG3.4 Chairman), J. Kradolfer (Vice President CEPIS) and J. Turner (TC 3 National Representative for USA). Mrs. P. Glenn, former GA Representative for Canada, currently coordinates negotiations with the International Standards Organization (ISO). ISO have agreed that IFIP will be given the same status as an ISO Technical Committee and that our 'standard' will be circulated among ISO members by the end of 1998 for approval (75% majority required). Current discussions with ISO are about creating a 'memorandum of understanding' between ISO and IFIP. As ISO standards do carry a copyright notice, ISO members are entitled to a royalty of sales in their own countries and they are able to adopt the ISO standard (without change) as their own. IFIP can retain the rights to the documents and would be able to sell alongside the ISO members.

Finally, the **TC 3 Chair** was interested whether AMB grants could be used to support the participation of young people, up to 26 years old, in IFIP Events. **Mr. Aiken** responded that the current policy is to provide grants for participants from developing countries. AMB needs some guidance and would study the matter and report during a future meeting.

#### 3.18.4 TC 5 Computer Applications in Technology

**Mr. G. Doumeingts** reported that the last TC 5 Meeting was held on 4 November 97 in Detroit. The next meeting is scheduled for 12 September 98 in Trento, Italy in conjunction with the PROLAMAT Conference.

Unfortunately, CAPE 97 was cancelled but this helped not to lose significant funds due to low attendance.

TC 5 has 36 members out of which 23 are national representatives. Several replacements and new nominations were made. The most important assignment is to complete the TC 5 restructuring process. A satisfactory number of conferences and books were produced during the reported period but it is obvious that TC 5 continues to live on past achievement. Further energetic action is necessary to complete the restructuring process, recruit experts from industry and adopt new WG names in order to stress the TC 5 links to industry. There are

currently 8 Working Groups but out of these only 4 perform well. Obvious possibilities exist for optimizing scopes of activities and interaction.

**The TC 5 Chair** ended his report by stressing the importance TC 5 assigns to its participation in the WCC 2000 program design and implementation.

### 3.18.5 TC 6 Communication Systems

**Mr. Casaca** reported that the last meeting was held 3 - 4 1998 April in Ladenburg, Germany. Future meetings are scheduled as follows:

Meeting 98/2 - Tozeur, Tunisia, 22-23 October 98

Meeting 98/1 - Copenhagen, Denmark, 23-24 April 99

Meeting 99/2 - Budapest, Hungary, 3-4 September 99

At present there are no TC 6 representatives from Brazil, Israel, the Netherlands, New Zealand, Thailand, Argentina, Ireland, Korea, Singapore, Russia and Egypt and the respective GA representatives are requested to help in identifying appropriate nominations.

**Mr. Mason** wondered why Mr. R. Hunt is not listed as the NZCS representative to TC 6. **Mr. Casaca** explained he was in contact with Mr. Hunt who explained that he does not have the possibility to represent the NZCS.

TC 6 is in good shape - its WGs are active and organize many events and publications with good reputation. There is a new WG 6.1 Chair, Mr. G. Leduc (Belgium), Mr. S. Tohme currently remains the single WG 6.2 Chair, Mr. Rudin (Switzerland) is the new TC 6 Vice-chair while Mr. Posch (Austria) was chosen as the new TC 6 Secretary. No other changes have occurred since C 98 in Manchester. Two active Task Groups were in existence - TG 6.9 on Communication Systems in Developing Countries and TG 6.11 on Electronic Commerce.

### 3.18.6 TC 7 System Modelling and Optimization

**Mr. P. Kall** reported that the last business meeting was held on 21 April 98 near Chemnitz, Germany during a WG 7.2 event. The TC 7 Chair and Vice-Chair were unanimously reelected for a second term. Singapore nominated a new representative and India and Portugal withdrew their representatives informing that new nominations are pending.

The 19<sup>th</sup> IFIP TC 7 Conference on System Modelling and Optimization will be held in July 99 in Cambridge, GB. The 20<sup>th</sup> conference is scheduled for 2001 in Trier, Germany.

Finally, **Mr. Kall** reported that the TC 7 management intends to take measures to activate national participation and GA representatives are requested to assist these efforts.

### 3.18.7 TC 8 Information Systems

**Mr. B. Glasson** reported that the last TC 8 business meeting was held on 29 - 30 August 98 in Vienna. The next meeting is scheduled for late June 99 in Copenhagen, Denmark.

Messrs. Glasson and Traunmueller were reelected to a second term, respectively as Chair and Vice-Chair starting on 1 January 99. Mr. Saaksjarvi (Finland) was elected as Vice-Chair and Mr. Pries-Heje (Denmark) as Secretary.

A series of strategic planning activities were completed. The TC 8 communication and information structure is good - TC 8 and its WGs maintain websites linked to IFIP. TC 8 is associated to the International Conference on Information Systems, ISWorld and the Association of Information Systems. Its WGs organized several conferences in 98, among them a successful event in China. A strong involvement in Congress 2000 in China is currently explored.

### 3.18.8 TC 9 Relationship Between Computers and Society

**Mr. Jaervinen** reported that the last TC 9 meeting was held on 29-30 August 98 in Geneva, Switzerland in conjunction with the 5<sup>th</sup> World Conference on Human Choice and Computers. The next meeting is scheduled to take place in Malaysia on 24-25 April 99.

Mr. J. Berleur (Belgium) would be the new TC 9 Chair as from 1 January 99. Other changes include Mr. Sloane (GB) as WG 9.3 Chair and Ms. Fischer-Huebner (Germany) as WG 9.6 Chair.

Member societies currently not represented are encouraged to nominate representatives.

The most active groups in TC 9 are WG 9.2, SIG 9.2.2 and WG 9.4. During the last TC meeting and the HCC5 Conference all officers and members stressed that they are dedicated to further develop activities. A Call for Nominations for the Namur Award was issued by WG 9.2 which incorporates SIG 9.2.1 on Disabilities and SIG 9.2.2 on Ethics. WG 9.4 on Social Implications of Computers in Developing Countries supports a widely distributed newsletter and is planning three conferences in developing countries in the near future. The aims and scope of WG 9.5 were reconsidered. WG 9.7 is developing guidelines for a curriculum in the history of computing and also promotes the concept of "Pioneer Days" during IFIP World Congresses. The SIG 9.0.1 on Intellectual Property Rights and Free Flow, chaired by K. Brunnstein, was involved in the organization of KnowRight 98.

Since this was his last GA meeting **Mr. Jaervinen** thanked everyone for supporting him during his term of office.

**Mr. Bollerslev** said that the hosts of Congress 2000 in China would consider the organization of a Pioneers' Day.

**The President** thanked Mr. Jaervinen for his efforts as TC 9 Chair and said that he had the pleasure to open the TC 9 HCC5 conference in Geneva which was well organized and successful despite the low attendance.

### 3.18.9 TC 10 Computer Systems Technology

**Mr. Laprie** reported that the last TC 10 meeting was held on 4 September during Congress 98 in Budapest. Among the discussed topics were the WG reports, the TC 10 contribution to WCC 2000 and the ACM and IEEE CS involvement in IFIP.

The next TC 10 meeting will convene on 30 - 31 August 1999 in Toulouse, France.

Most working groups are active with many scheduled future events. WG 10.1 had 3 workshops scheduled in 98. WG 10.3 is involved in the PACT 98 organization in October. The leadership of WG 10.4 will change as from 1 January 99. WG 10.5 has a new Chair. WG 10.7 had proposed a merger with WG 10.5 but TC 10 considers that other alternatives should be explored as the topic of Microsystems deserves a separate WG.

**The President** wished to know about contacts with other TCs. **Mr. Laprie** said that TC 10 has a broad spectrum ranging from hardware to software. WG 10.4 maintains cooperative relations with TC 11. Interaction with TC 2 and other TCs could be further explored in future. **Mr. Reis** pointed out that there is no formal cooperation with TC 5.

### 3.18.10 TC 11 Security and Protection of IP Systems

**Mr. von Solms** reported that the last TC 11 meeting was held on 30 August 98 in Vienna. Mr. von Solms was reelected for another term as TC 11 Chair. Mr. Posch (Austria) was reelected as Vice-Chair and Mr. Beatson (New Zealand) was elected as Secretary.

The TC 11 web pages are located at <http://www.ifip.tu-graz.ac.at/TCU/>.

TC 11 is active in an area that has received overwhelming attention over the last few years. Its membership is active and TC 11 and IFIP are well marketed and will keep expanding in the TC 11 field. The IFIP/Sec 98 conference was a part of Congress 98 and was well organized and successful with locally printed proceedings. There will be no IFIP/Sec conference in 99 and the IFIP/Sec 2000 edition will precede IFIP Congress 2000 in China. All WGs are active.

Finally, **Mr. von Solms** assured General Assembly that TC 11 is in a good shape and ready for the challenges of the Year 2000.

### 3.18.11 TC 12 Artificial Intelligence

**Mr. Neumann** reported that the TC 12 meeting was held on board the ship to Budapest.

Since GA 97 Mr. O'Leary (USA) was chosen as TC 12 Secretary. There are new Members from the Czech Republic, UK, Canada, Greece and Hungary. Many IFIP member societies would need to consider nominating representatives.

There are two active WGs - WG 12.2 on Machine Learning and WG 12.5 on Knowledge-Oriented Development of Applications. Another one - WG 12.6 on Intelligent Information Management - was established by the TA meeting in Budapest and will be chaired by Mr. O'Leary.

TC 12 had a strong involvement in the IT&Knows component of Congress 98 and will be actively contributing to the Program of WCC 2000 in China.

There is a need for merging and bringing AI to application areas. TC 12 aims to avoid duplication with AI activities that are carried out by other well established organization.

### 3.18.12 TC 13 Human-Computer Interaction

**Mrs. Hammond** referred to her report and mentioned that the 13<sup>th</sup> Meeting of TC 13 took place on 18-21 February 98 in Amsterdam. The 14<sup>th</sup> Meeting is scheduled for February 99 in Spain.

25 Members of IFIP are represented on TC 13. Most recent additions include a member from Poland and a change in the Japanese representation. The representation of several IFIP member societies will hopefully be resolved soon.

The IFIP President had re-appointed the current TC 13 Chair for another three-year term beginning in September 98. Messrs. Karat (USA) and Rauterberg (Switzerland) were appointed as TC 13 Vice-Chairs and Mr. Oestreicher (Sweden) was designated as Head of the TC 13 Information Service. Mr. Rauterberg was also appointed as WG 13.1-Chair in February 98.

The 6<sup>th</sup> INTERACT 97 Conference was held on 14 - 18 July 1997 in Sydney, Australia. It was successful and the proceedings were published by C & H. The organization of INTERACT 99 is making good progress. The publication of the proceedings is carefully considered and a decision remains to be made. A call for interest in hosting INTERACT 2001 was issued and a decision will be made during the next TC 13 meeting.

**Mrs. Hammond** concluded that the overall TC 13 status is good and further progress is expected. Most WGs are active and involved in the organization of events. The DCSC support to two Chinese participants in the APCHI 98 Conference had a very positive effect in marketing IFIP.

### **3.19 Committees**

#### **3.19.1 Publications**

Further to his report under Agenda item 17, the PC Chair informed GA that he is in regular contact with Kluwer. The Publisher would provide sales records for the first half of 1998 in early October. The delay is due to the fact that the C & H data will be transferred to Kluwer by the end of this month. There were some problems during the transfer that caused the termination of 2 contracts. A price matrix for proceedings was distributed to the TC Chairs and Mr. **Johnson** said that these prices would be honored for all contracts signed until March 99 irrespective of when the events will take place in future.

Mr. **Johnson** noted that the TC Chairs were not satisfied with the long production cycle of 12 weeks and a further 2-3 weeks for delivery. One possibility is to use preprints at events and then mail the delegates copies when the publication is ready.

Library subscriptions for the TC 3 Journal have increased to 49 during 1997. Other sales were disappointing. Discussions how to re-launch the journal are underway, a low personal subscription of about USD 50 is being considered and so is IFIP support to the Journal in the future. The Publications Committee was pleased to note the Newsletter Editor's satisfaction with the Kluwer production of the September issue.

**Mr. Delman** was pleased to attend his first IFIP General Assembly and to meet with the PC and TC Chairs. He said that Kluwer would be working to shorten the production cycle and would press hard to have books available for conferences. A market niche for the TC 3 Journal should be explored and exploited.

**Mr. Brauer** wished to know what brand name and logos would be maintained for the IFIP series and **Mr. Delman** clarified that tradition will be maintained and the logos of IFIP and Kluwer will appear on the books. Mr. **Johnson** agreed that the format and colors are becoming dated and that there should be no radical change.

Mr. Reis noted that he had observed Kluwer displays during conferences and wondered if IFIP books would be marketed this way. **Mr. Delman** pointed out that the IFIP books are currently shipped over to the USA and as soon as they are available Kluwer will include them in exhibits. Mr. **Grafendorfer** wondered whether there are plans to print books in Europe as

this will shorten the time for delivery to European conferences. **Mr. Delman** responded that as there is no designated person in Europe no one could follow-up on production.

**Mr. Brauer** pointed out that several TCs were not happy with some developments. The contract may be fine but there are details and technicalities which are not as good as with C & H. He was aware of the transition phase, however, the technical procedures should be improved otherwise serious problems will occur. **Mr. Johnson** said that several areas for improvements were identified with the TC Chairs. He would probably attend the TC 6 meeting next month in order to discuss publications matters. Some progress was made on headers and page numbering. If any TC Chair has a specific problem he should contact the Publications Committee Chair.

**Mr. Rosenfeld** drew attention to the fact that publications royalties represent a significant part of the IFIP income and the Publisher should put some effort in finalizing the statements and presenting them to IFIP. From the available information it is suggested that there was a normal pattern of development and that IFIP could expect a financial result comparable to previous earnings.

**Mr. Ramani** wished to know whether credit cards would be honored to purchase Kluwer proceedings over the Internet and **Mr. Delman** responded positively.

**Mr. Rosenfeld** pointed out that IFIP should be aware of the Publisher's interest and intentions in the field of electronic publishing. Should there be little interest from Kluwer then IFIP should explore alternative ways. **Mr. Johnson** referred to previous discussion and said that Kluwer is interested but they do not currently see commercial incentives for their active involvement. This might radically change during the next 5 years. In the Executive Director's presentation many positive examples of Web presence were demonstrated and the **PC Chair** hopes to see TC Newsletters appearing on the Web. Such and other initiatives should be encouraged.

**The President** thanked Mr. Johnson for his hard work.

### 3.19.2 Statutes and Bylaws

**Mr. Morris** drew attention to the IFIP Council 98 recommendation relative to the Admission of Individual and Honorary Members. Past experience has shown that the Executive Board is invariably involved in such admissions as it has a better background knowledge of the involved candidates.

The SBC therefore proposes the following modification to the Statutes and Bylaws:

Article 2.2 (p. 22): Paragraph 1: Replace "*Admissions Committee*" by "*Executive Board*".

In the same Article 2.2: suppress the paragraph 2 as the subject matter is redundant with paragraph 1.

The new Article 2.2 reads therefore:

*"A proposal for admitting an Individual Member or for nominating an Honorary Member must be submitted by a Member of the General Assembly to the Executive Board for its recommendation to the General Assembly.*

Voting will be by paper ballot".



**General Assembly** ADOPTED the SBC proposal.

For the sake of completeness of the SBC report, **the Secretary** drew attention to the debate under Agenda item 14.1. "Membership classes" and the amendments to the Statutes and Bylaws, approved by the required majority, as follows:

Statutes Art. 3.1 (a):

Line 3: insert "normally" after "shall" to read: "... there shall normally be only one Full Member..."

Line 4: delete "the national"

At the end, add a new paragraph: "In very exceptional circumstances GA may approve the admission of more than one Full Member from the U.S.A. provided that

- i) each such Full Member shall satisfy the entry requirements stated above
- ii) such Full Members shall mutually support each other's membership application.

Such Full Members shall enjoy the same rights and obligations as other Full Members".

(Please also refer to Agenda item 14.1. "Membership classes")

### 3.19.3 Admissions

**Mr. Yan** referred to the circulated report of the Admissions Committee and drew attention to the application of the Slovenian Society Informatika (SSI) for Full Membership in IFIP. All requirements were met and AC recommends General Assembly to admit the SSI to IFIP Full Membership.

**General Assembly** unanimously ACCEPTED SSI as an IFIP Full Member.

**The AC Chair** recalled Executive Board's recommendation to AC to put forward the nominations of Messrs. Sendov and Melbye for Honorary Members and that of Mr. Rosenfeld for a second term as Individual Member.

**Mr. Siow** thought it would be useful to the newcomers to have a brief overview of the candidates' activities. **The President** was pleased to say that all candidates have a long and outstanding career in IFIP. Most notably, Mr. Sendov served as IFIP President and Mr. Melbye was the previous IFIP Treasurer who had introduced the current financial and accounting practice in IFIP.

General Assembly voted on the nominations:

**B. Sendov**        **unanimously ELECTED for Honorary Member**  
**A. Melbye**       **ELECTED for Honorary Member**  
**J. Rosenfeld**    **RE-ELECTED for a second term as Individual Member**

### 3.19.4 DCSC

**Mr. Grafendorfer** referred to the written report and said that in July 98 the DCSC Chair, Dr. Goyal, was replaced as Indian GA representative. DCSC had met in Budapest and had reviewed its work. In practice, its recommendations and the decisions of the March 98 Council meeting in Manchester related to DCSC were implemented.

A report from TC 13 on the utilization of the IFIP grant for APCHI 98 paper presenters was submitted and DCSC noted with satisfaction the positive effect of this grant. Mr. Grafendorfer made further reference to the DCSC report to Council 98 and pointed out that the recommendations concerning the TC involvement in DCSC activities remain valid.

Given the importance of Congress 98 participation from developing countries, the IFIP President and EB had allocated additionally CHF 24 K in support of DCSC. An EU grant of ATS 53 K to support Central and Eastern European participants was made available. Other sources for fund raising were also explored. In summary, IFIP and OC 98 devoted a lot of time and efforts to raise the necessary funds to support DCs.

IFIP support was also extended to 3 participants in the Erasmus-EU/IFIP Seminar on Information & Communication Technologies Security, 31 August- 9 September 98, Vienna.

Mr. **Nedkov** informed that a list of LDCs (Least Developed Countries), as designated by the United Nations, can be found at <http://www/unicc.org/unctad/en/pressref/lDCs/aboutldc.htm>. There are various other lists but a full list of all countries termed as "Developing" is not available. Donor countries and organizations define their own lists of countries, which are eligible for concessions or aid. With this in mind DCSC had discussed a very broad list of countries which may be eligible for DCSC support. The outline below has the TC Forum support.

**America (North and South)**

All countries with the exception of USA and Canada

**Africa**

All countries

**Asia and the Pacific**

All countries with the exception of Australia, Israel, Japan, New Zealand, Singapore, the oil rich countries of the Arab peninsula (Saudi Arabia, Kuwait, Bahrain, Qatar, UAE), Brunei, the territory of Hong Kong.

**Europe**

Eastern Europe and Cyprus

With regard to Eastern Europe, once a country from the region is admitted to EU membership it is assumed that it enters another umbrella for grant allocations and it becomes no longer eligible for DCSC support.

3.19.5 Finance

The Finance Committee Chair, **Mr. Granado** referred to his written report and said that FC had reviewed the main financial issues based on the "Treasurer's Report", UBS "Portfolio Valuation Report" and the "Auditor's Report". These are:

1. **IFIP assets:** There is a fair compensation for the investment portfolio of 9% for the 6 first months of 1998. This return on investment will, however, have a negative trend until the end of the year, due to the stock markets evolution;
2. **IFIP account in London:** The current balance is excessive: 146 K CHF and 100 K CHF should be moved to the portfolio investment;
3. **IFIP accounts in Austria:** There is still too much cash in current accounts: 454 K CHF and it may be wise to move 200 K-CHF to the portfolio investment;

4. **IFIP account in Geneva:** As GA had decided to keep a Swiss account, 15 K CHF are kept in a current account, with no utilization at all. These funds should be transferred to a long term saving account;
5. **IFIP basic currency:** With the introduction of the Euro on 1 January 99 FC should consider to abandon the CHF currency and move to Euro, in consultation with IFIP's bank in London.

**Mr. Goldsworthy** was pleased to note that excess funds will be moved to the Portfolio investment. He believes that IFIP should have a broader spread of currencies for its Portfolio. **Messrs. Khakhar and Granado** advised that the Portfolio investment consists of a basket of currencies, managed by the London bank with a moderated risk.

**Mr. Rosenfeld** could not see the Portfolio appreciation in the Treasurer's report. Mr. Khakhar clarified that the appreciation or depreciation is recorded at the end of the year on the basis of concluded transactions and Portfolio Evaluation Reports.

**Mr. Granado** advised that FC would prepare and present to the next GA a short document with an introductory guidance on the IFIP books and assets. It also proposes to introduce a set of managing indicators that will allow everybody to follow our financial evolution without reading all the detailed reports in depth.

In reference to the Treasurer's Report it was noted that:

- FC confirms the excellent financial performance of IFIP during 1997 and the continuation of the trend for operational costs' containment. FC recommends GA to approve the 1997 accounts.
- FC recommends the approval of the proposed 1999 budget as it follows the current prudent policy.

**Mr. Mason** noted the level of IFIP reserves and **Mr. Granado** clarified that in accord with the current Financial Policy these should reach a level of 5 times the annual operational expenses. It is deemed that such a reserve could give IFIP the necessary security and stability if congress, publications and other income repeatedly fail. **Mr. Brauer** added that IFIP has some long-term obligations, including for its permanent staff.

**Mr. Granado** summarized that IFIP is in a sound financial state and has completely recovered from the negative status of 1994. IFIP should proceed with its current financial policy of close control over the major accounting items without harming the IFIP Mission. FC recognizes the reduction in the operational costs maintained by the IFIP Secretariat and praises the Secretariat's efforts. With these remarks, FC endorsed the 1997 Accounts and the 1999 budget and **Mr. Granado** moved that GA adopt the following recommendations:

1. Authorize the Treasurer to do the financial movements described in items 2, 3 and 4;
2. Authorize the FC, together with the Treasurer, to decide about the currency change if recommended by our bank.

**General Assembly APPROVED.**

**Mr. Fairall** appreciated the fact that the membership dues have not increased for several years. At the same time he wished to share that the high inflation in his country has depreciated his Society's funds. He was a member of a number of societies and is aware that there are different ways of apportioning dues. With this in mind he wondered if the dues scheme could be revised in order to incorporate membership numbers in the scheme. **Mr. Granado** said FC would look into the matter.

### 3.19.6 IFIP-UNESCO Liaison

**Mr. Nedkov** drew attention to his report and said that the relations with UNESCO are good. IFIP Members, representatives and TC Chairs are kept well aware of the-developments and are advised on possibilities for contacts and cooperation with National Commissions and regional offices. Immediately after GA 97 IFIP confirmed its wish to join UNESCO as an organization in Formal Consultative Status. IFIP was elected to the NGO-UNESCO Liaison Committee of nine members, representing the interests of all UNESCO associated NGOs vis-à-vis the UNESCO leadership. IFIP was represented at the UNESCO General Conference, which made it possible to take an active part in the discussion and the program implementation and also in the work of the NGO-UNESCO Liaison Committee.

Four project proposals for UNESCO support were developed, coordinated and submitted to UNESCO for the following activities:

- The 15th IFIP World Computer Congress;
- To assist the participation of specialists from developing countries in IFIP Events;
- To support subscriptions to the IFIP journal on education and information technologies;
- To develop a training package and communication tools.

Unfortunately, the requested assistance for Congress 98 never materialized. It appears that due to a difficult financial situation UNESCO would not be able to provide assistance under its Participation Program even though it has not yet formally declined the requested support.

**Mr. Nedkov** reported that the UNESCO contract proposal for a modular curriculum development in Informatics was discussed during Council 98. The WG 3.2 Chair Tom van Weert was appointed as project leader and the TC 3 Chair was requested to take responsibility for the organization, reporting and coordinating with other TCs. Prior to GA 98, a contract was signed with UNESCO for US \$ 18,000 in support of the project work. **The IFIP-UNESCO Liaison Officer** had arranged a meeting in Budapest with UNESCO representatives which was attended by the TC 3 Chair and the President Elect. The UNESCO representatives had made it clear that if the original schedule is met there could be additional UNESCO funds to support the project and it could have an ongoing character. The UNESCO representatives have also encouraged that in addition to TC 3 other TCs should also participate. UNESCO was particularly interested to have TC 1, TC 2, TC 6, TC 8, TC 9 and TC 11 represented on the project.

**Mr, Nedkov** requested the TC 3 Chair to give further details with regard to the project development. Mr. Samways said the WG 3.2 Chair, Tom van Weert, would be the project leader and the overall management is in the responsibility of the TC 3 Chairman. The members of WG3.2 were planning to update their 1994 University Curriculum (also written for UNESCO) and were in discussion about a joint development with ACM and IEEE. The involvement of UNESCO has enabled the project to be put on a more secure footing. The writing team consists of Tom van Weert, Fred Mulder (TC 3 National Representative for Netherlands), Richard LeBlanc (ACM), Willis King (IEEE-CS), Ludovit Molnar (UNESCO) and it is expected that there will also be a representative from AITP/AIS. In addition, each of the professional societies is providing a list of individuals who will make a 'reflection group and can be consulted, and at times, co-opted to write particular specialized modules. Currently, the IFIP group includes R. Aiken (GA Representative for USA), B. Cassell (WG3.2 member from USA), G. Davies (WG3.6 Vice Chairman from UK), M. Grandbastien (TC 3 National Representative for France), J. Hughes (WG3.2 member from Australia), K. Robinson (WG3.2 member from Australia), J. Zabrodski (WG3.2 member from Poland), representatives from TC 8, TC 9 and TC 11. By 15 November 1998 UNESCO should receive the first draft of the framework.

**Mrs. Hammond and Mr. Casaca** said their TCs would appreciate to have the possibility to get involved in this work. **Mr. Nedkov** responded that the TC 3 Chair was asked by the President and the TA Chair to coordinate the activity within IFIP and all TC Chairs should be in contact with him directly.

### 3.19.7 Internal Awards

**Mr. Morris** advised that he had circulated information with regard to qualifiers for the Silver Core and OSA awards. He was grateful to the TC Chairs who have contributed to the assessment of possible candidates and recommends to GA, on behalf of the Internal Awards Committee, to award the following persons:

#### IFIP Silver Core Awards -1998

E. Airman	C. Gergely	J. Preece
D. Avison	C. Girault	R. Puigjaner
R. Baskerville	B. Glasson	S.V. Raghavan
S.C. Bhatnagar	J. Gonzales-Abascal	R. Soenen
W. Bibel	P. Gorny	S. von Solms
P.G. Bots	J. Hammond	S. Spaccapietra
B.K. Brussaard	T. Hewett	T.J. Stonham
Z. Bubnicki	J. Hoekstra	A. Sutcliffe
H.C. Bunt	V.B. Iversen	E. Sutherland
R. de Caluwe	J.L. King	N. Terashima
J.M. Carroll	T. Kjellberg	D. Tinsley
A. Casaca	R. Koblo	M. Toth
G. Cockton	M. Korpela	J.F. Traub
B. Cornu	D. Kouvatsos	G.C. van der Veer
J. Cuena	R. Kurki-Suonio	D. Vogel
G. Davies	J.Lee	A.G. Werschulz
C. Delgado-Kloos	K. Lyytinen	G. White
E. Dirkx	O. Martikainen	J. Wibe
A. Edwards	S. Nakai	J.C. Worrtnann
E. Eloranta	E.R. Olderog	L. Yngstrom
D.W. Etherington	G. Papp	W. Zimmer
P. Flach	R. Posch	

#### Outstanding Service Award

TC 3	TC 8	TC 9	TC 11	TC 13
B. Collis	S. Brinkkemper	S. Munari	D. Batchelor	L. Oestreicher
B.Z. Barta	H.E. Nissen P. Humphreys			

**General Assembly** unanimously APPROVED these nominations.

**The IFIP President** was very pleased to personally present the Silver Core diplomas and pins to Mrs. J. Hammond, Mrs. M. Toth and Messrs. Bubnicki, Casaca, Gergely, Glasson and Kurki-Suonio.

**General Assembly** APPLAUDED.

### 3.19.8 Marketing

**Mr. Gottlieb** said that the Marketing Committee had met several times in Budapest. On the basis of the discussions the **MC Chair** proposes to GA to consider the following recommendations:

1. The Executive Director should investigate a graphic designer for a leaflet named "IFIP" and after it is produced and printed should have it available to National Societies, Event Organizers and other entities.
2. MC congratulates the Secretariat for the excellent work and achievement with regard to the IFIP Web site and recommends that further development and improvement should continue in future.
3. IFIP Members should be encouraged to improve their distribution capacity for IFIP related information, provide annual web reports and electronic lists of their events which should be linked with further pointers within IFIP.
4. A support function for IFIP Events should be established and the Executive Director should consider hiring additional staff members.
5. The Youth Forum during Congress 98 should be encouraged to take place during future congresses and other major IFIP events.

**Messrs. Morris and Bauknecht** failed to see the responsibility of the MC in these recommendations and did not approve the approach of delegating all related work to the Secretariat. **Mr. Boynton** saw a similarity with CIPS' debates related to marketing. **Messrs. Reis and Mason** thought MC should better define what product or service IFIP wishes to "sell" and the IFIP entity responsible for follow-up actions. Some actions may require professional backup but this should not be regarded as disengagement on the part of MC.

**Mr. Gottlieb** clarified that the Event Support function was discussed with the TC Chairs and **Mrs. Hammond** added that the TC Forum is supportive of the possibility of hiring additional staff at the Secretariat. (Please also refer to Agenda items 12, 13, and 16).

### **3.20 IFIP Newsletter**

**Mr. Rosenfeld** informed that the December 98 issue would mark the 15<sup>th</sup> Anniversary of the Newsletter and advised that the Newsletter currently has a circulation of 3,300 individual copies and another 1,000 copies are sent in bulk to members and conference organizers. 1,000 copies of the September issue were distributed to Congress 98 participants.

**The Newsletter Editor** was pleased with the work done by Kluwer in producing the September issue. Regretfully, for the second time after the Council meeting in Manchester the Newsletter was not available at GA 98.

Apart from TC 12, all other TCs have had a profile published in the Newsletter. Some of these profiles were published more than 5 years ago and **Mr. Rosenfeld** invited TC Chairs to consider new profiles to be included in future issues.

Finally, **Mr. Rosenfeld** joined previous speakers in expressing his appreciation of the IFIP Secretariat's work.

**Mrs. Hammond** informed that she would be the TC 13 Correspondent for the Newsletter.

**The President** thanked the Newsletter Editor for his good work for IFIP.

### **3.21 Affiliate Members**

**The Secretary** reminded that the IAPR representative had attended the TA and GA meetings and had submitted a report. SEARCC and ICCS were also represented and had reports. CEPIS was represented and its brochures were circulated to GA. There was also a brief report from INFORMS.

### **3.22 Appointments**

**Mr. Bollerslev** announced the following appointments:

#### **TECHNICAL ASSEMBLY**

K. BAUKNECHT, Chairman TC

Chairs

Affiliate Member Representatives Ex-officio: Executive Board

#### **STANDING COMMITTEES**

##### ACTIVITY MANAGEMENT BOARD

R. AIKEN, Chairman

Ex-officio:

DCSC Chairman

Executive Board

##### MARKETING COMMITTEE

W. GRAFENDORFER, Chairman

G. Boynton

C. Gergely

A. Mason

R. Reis

N. Schlamberger

Ex-officio:

PC Chairman

Newsletter Editor

##### ADMISSIONS COMMITTEE

X. YAN, Chairman

P.A. Bobillier

Z. Bubnicki

G. Sacerdoti

##### PUBLICATIONS COMMITTEE

R. JOHNSON, Chairman

B. Neumann

P. Ralston

Ex-officio:

Contracts Officer

TC Chairs

MC Chair

Invited Observer: Kluwer representative

##### STATUTES AND BYLAWS COMMITTEE

P. BOBILLIER, Chairman

G. Morris

J. Dolezal

R. Johnson

##### DEVELOPING COUNTRIES SUPPORT COMMITTEE

D. KHAKHAR, Chairman

K. Boyanov

F. Kiwan

S. Masduki

A. del Moral

S. Ramani

B. Samways

A. Sarhan

Ex-officio:

Contracts Officer

##### FINANCE COMMITTEE

J. GRANADO, Chairman

M. Gottlieb

S. Masduki

A. del Moral

Ex-officio:

Treasurer

##### INTERNAL AWARDS COMMITTEE

G. MORRIS, Chairman

P. Bobillier

R. Johnson

## AD HOC COMMITTEES

### NOMINATIONS COMMITTEE FOR OFFICERS

G. MORRIS, Chairman  
J. Granado  
R. Johnson

### IFIP HISTORIAN

H. ZEMANEK

### IFIP NEWSLETTER EDITOR

J. ROSENFELD

### NOMINATIONS COMMITTEE FOR TRUSTEES

R. JOHNSON, Chairman

### IFIP-UNESCO LIAISON OFFICER AND CONTRACTS OFFICER

P. NEDKOV

**Mr. Bollerslev** advised that the Chairmen of the Standing and Ad Hoc Committees have the mandate to appoint their Committee's members.

### *3.23 Future Meetings*

**Mr. Morris** informed General Assembly of the forthcoming meetings:

- |                              |                                                                                                     |
|------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>1999 Council</b>          | <b>Goa, India</b><br><b>Sunday, February 28 - March 4</b>                                           |
| <b>1999 General Assembly</b> | <b>Cyberjaya, Malaysia</b><br><b>Sunday, September 5 - 9</b>                                        |
| <b>2000 Council</b>          | <b>(Council will vote on invitations to Washington D.C. and Oslo)</b><br><b>Sunday, March 5 - 9</b> |
| <b>2000 General Assembly</b> | <b>Beijing, China</b><br><b>Thursday, August 24 EB</b><br><b>Saturday August 26- 29 GA</b>          |
| <b>2001 Council</b>          | <b>Italy</b>                                                                                        |
| <b>2001 General Assembly</b> | <b>Open destination</b>                                                                             |

### *3.24 Other Business*

**The President** informed General Assembly that two IFIP Vice-Presidents had reached the end of their terms:

*Ashley Goldsworthy* has 25 years of uninterrupted and active service in IFIP. He first attended GA 74 in Stockholm as President of the Australian Computer Society bidding for Congress 80. Since then he attended all General Assemblies and every Council meeting (except one). He has been Australia's GA representative since 1980 and has grown up the IFIP executive hierarchy as Trustee, Vice-President, President Elect and President (1986-1989), after which he again served as Vice-President. He was the only person in IFIP history to act as Chairman of an Organizing Committee for two World Congresses (Melbourne and Tokyo in 1980, Canberra 1996). As President, he was responsible for the creation of the Technical Assembly and the establishment of TC 12, 13, SIG 14 which later became TC 1 and many WGs. He was awarded the IFIP Silver Core in 1986.





*Wilfried Brauer* is an IFIP Silver Core holder since 1986. His IFIP Work started in 1974 as member of TC 3. He then served as member of the Program Committee for the 2nd World Conference on Computers in Education WCCE, Marseilles, France, Sept. 1975, Vice chairman of TC 3 and co-author of „A modular curriculum in computer science“, UNESCO-IFIP Curriculum, published by UNESCO 1984 and translated into several languages. He first participated in an IFIP General Assembly (GA) meeting as TC 3 vice chair in 1984; since then he attended all GA meetings and all but one Councils (1988 in Auckland, New Zealand). For the period 1985-90 he was Chairman of TC 3. Since 1985 he is the GI representative to General Assembly. He served as Trustee, Chairman of the International Program Committee for the 12th World Computer Congress, Madrid 1992, General Chairman of 13th IFIP World Computer Congress, Hamburg 1994. He is Vice-President since 1994 and also served as Chairman of Publications Committee and Technical Assembly.



**The President** thanked Messrs. Goldsworthy and Brauer for their enormous contributions to IFIP.

**Mr. Goldsworthy** was pleased to have had the possibility to work for IFIP which is a truly unique organization. He thanked his colleagues and was pleased to introduce his successor as Australian GA representative - Prins Ralston, President of the Australian Computer Society.

**Mr. Brauer** will serve as GA representative until the end of 1998, after which Mr. K. Brunnstein will take over. He will continue to maintain contact with the organization as a TC 1 member representing GI. **Mr. Brauer** was grateful to his GA colleagues and the IFIP Secretariat for their support during his term of office. Finally, he informed General Assembly that as a Memento from IFIP he had chosen a collection of CD recordings of Maria Callas.

**General Assembly APPLAUDED.**

**Mr. Bollerslev** reminded General Assembly that Mr. Bauknecht's term of Office as President is coming to an end. As Past President, he will remain an IFIP EB Member for another year and has also agreed to chair the Technical Assembly. *Mr. Kurt Bauknecht* had led IFIP during 3 successful years. During this period there were many achievements – the finances are consolidated, IFIP's management and administration are in an excellent state, IFIP's visibility is good and the TC Chairs are very supportive. Mr. Bauknecht has put a lot of effort into successfully guiding IFIP and even a physical injury had not stopped him attending meetings and conferences. As a token of IFIP's appreciation and as a Memento from IFIP Mr. Bauknecht will receive a digital camera and a mountain bike.



**Mr. Bollerslev** cautioned GA members visiting the Alps in future to watch out for a biker riding and taking photos.

**General Assembly APPLAUDED.**

### **3.25 Closure**

As incoming President, **Mr. Bollerslev** assured General Assembly that he would spare no time and effort in maintaining the high profile of IFIP and in furthering its activities and operations.

**The President** once again thanked the hosts for the excellent arrangements and declared the General Assembly meeting in Budapest closed.

### 3.26 Annex 1

#### The IFIP Position on Cryptopolicies

- a. IFIP recognizes the highly important role of cryptographic mechanisms. In the Global Information Infrastructure GII and in Electronic Commerce these mechanisms will influence acceptability, usage, and competitiveness.
- b. IFIP takes notice that for the convenience of discussion it is helpful to distinguish between the differing objectives for the use of cryptographic mechanisms - preservation of confidentiality, provision of the ability to authenticate people/organizations, provision of the ability to prove the integrity/completeness of data, etc.
- c. IFIP is fully convinced that a range of cryptographic mechanisms is required to meet the security needs of the GII. Users may select the most effective for their specific purposes.
- d. IFIP recognizes that cryptography at the same time is prone to potential abuse by criminals. In this context law enforcement plays also an important role and we face the situation that different countries exhibit different attitudes.
- e. Being aware that responsibilities for crime prevention and detection lies at national governments and that business is less and less related to national borders IFIP recognizes that cryptographic services and cryptographic applications cannot be bound to a nation's territory.
- f. IFIP recognizes the technical consensus that forbidding or restricting the use of strong cryptography is from a technical standpoint ultimately unfeasible. Taking the above said into account IFIP takes the following position on the use and regulation of cryptography:
  - I. Cryptography has equal impact and importance when data are stored or transmitted. A distinction is unrealistic in a world of networked computers.
  - II. It is the prime goal that, whoever is involved in the process, cryptographic procedures and keys are handled in a way that full confidence of all partners, including the public at large, is assured.
  - III. It is desirable that voluntary and free use be in place for all types of cryptography.
  - IV. While a business will generally take precautions to protect itself against lost/forgotten/stolen keys, such considerations should be carefully separated from the law enforcement considerations, even though the mechanisms for each may be the same or overlap.
  - V. When establishing key management and cryptography infrastructures this should be primarily driven by the users needs and not by regulatory requirements.
  - VI. Law enforcement shall not establish methods in the cryptography context that infringe on a citizen's expectations of personal privacy and integrity within a country.
  - VII. IFIP assumes that organized and major crime will successfully avoid or evade any requirement to comply with a key deposit scheme. Law enforcers must therefore not rely primarily on key deposit schemes when addressing the issue of criminal intelligence gathering. Research should be conducted, which results in a set of appropriate, acceptable, and well focused alternative methods.
  - VIII. In cases where keys are deposited at third parties it is necessary that commercial and privacy interest as well as commercial liabilities must be guaranteed in all phases. This is particularly necessary if such systems allow law enforcement to access data in clear or keys, under proper legal constraint.
  - IX. There is a great need that cryptographic methods and especially digital signatures be recognized by national and international law. Such recognition carries with it responsibilities for assuring availability of relevant keys throughout any legally

specified retention period and liabilities for improper disclosure of or change to keys whilst they are being kept. X. Any legal or regulatory arrangement between two nations, in respect to cryptography and access to relevant materials, must be symmetric.

### *3.27 Annex 2*

#### **IFIP Statement on Information Security Assessment and Certification**

- i. In keeping with the global move to electronic commerce, the information security status of IT systems and the information security management of such systems should be assessed against specified standards related to information security management
- ii. those performing such assessments should themselves be accredited according to specified certification standards, and
- iii. members of IFIP should be instrumental to ensure that such standards, for systems and individuals, be harmonized on an international level.
- iv. TC11 of IFIP is organizing a workshop in 1999 to consolidate on the aspects above. For more information contact Prof Jan Eloff at [eloff@rkw.rau.ac.za](mailto:eloff@rkw.rau.ac.za).