

COUNCIL AND GENERAL ASSEMBLY
MEETINGS

Harare, Zimbabwe 4-6 September 1991

Index

	<u>Page</u>
HIGHLIGHTS	3
COUNCIL MEETING TABLE OF CONTENTS	7
GENERAL ASSEMBLY MEETING TABLE OF CONTENTS	15

HIGHLIGHTS

ELECTIONS

A. Rolstadas	(Norway)	was elected President-Elect 1991/1992
H.L. Funk	(U.S.A.)	was elected Vice-President for a three-year term
A.W. Goldsworthy	(Australia)	was elected Vice-President for a one-year term
A. Alvarez-Rodriguez	(Spain)	was re-elected Trustee for a three-year term
D. Dolan	(Ireland)	was re-elected Trustee for a three-year term
M. Ozeki	(Japan)	was re-elected Trustee for a two-year term
G.R. Fairall	(Zimbabwe)	was elected Trustee for a three-year term
D. Khakhar	(Sweden)	was elected Trustee for a two-year term
W. Brauer	(Germany)	was elected Trustee for a one-year term
K. Ando	(Japan)	was elected Honorary Member

IFIP COUNCIL COMPOSITION AND RESPONSIBILITIES

Executive Board

Bl. Sendov	President	BG	89/92	Nom. Committees, Congress Chairmen
A. Rolstadas	President-Elect	N	91/92	Technology
G.J. Morris	Vice-President	GB	89/92	External Affairs
A. Balasubrahmanian	Vice-President	IND	90/93	Internal Affairs
A.W. Goldsworthy	Vice-President	AUS	91/92	Congresses
H.L. Funk	Vice-President	USA	91/94	Marketing
J.C.Fourot	Secretary	F	90/03	IFIP Secretariat, SBC, UNESCO
A. Melbye	Treasurer	DK	90/93	Finances, IFIP Secretariat

Trustees

M.Tienari	SF	89/92	Cognizant Officer for TC 2 and 12
K. Bauknecht	CH	90/92	Cognizant Officer for TC 3 and 6
A. Alvarez-Rodriguez	E	91/94	
D. Dolan	IRL	91/94	Cognizant Officer for TC 5 and 13
G.R. Fairall	ZW	91/94	Cognizant Officer for TC 11
M. Ozeki	J	91/93	Cognizant Officer for TC 9 and 10
D. Khakhar	S	91/93	Cognizant Officer for TC 7 and 8
W. Brauer	D	91/92	Cognizant Officer for SG14

IFIP COMMITTEE CHAIRMEN/OFFICERS

Technical Assembly

A. Rolstadas

Standing Committees

Activity Management Board	A. Melbye
Admissions Committee	M. Ozeki
Congress Guidelines Committee	A. Alvarez-Rodriguez
Developing Countries Support Committee	A. Balasubrahmanian
Finance Committee	K. Bauknecht
Internal Awards Committee	J.C. Fourot
Marketing Committee	H.L. Funk
Publications Committee	A.A. Verrijn-Stuart
Site Evaluation Committee	A.W. Goldsworthy
Statutes and Bylaws Committee	P.A. Bobillier

Ad Hoc Committees

Nominations Committee for Officers	H.L. Funk
Nominations Committee for Trustees	J.C. Fourot

Officers

IFIP Activity Secretary	P. Falster
IFIP Contracts Officer	P. Nedkov
IFIP-UNESCO Liaison Officer	J.C. Fourot
IFIP Newsletter Editor	J.L. Rosenfeld
IFIP Congress Overseer	A.W. Goldsworthy

ADMISSIONS

Centre Nacional d'Informatica d'Andorra (CNIA)	- Full Member
Malaysian National Computer Confederation	- Full Member
African Regional Computer Confederation (ARCC)	- Regional Member

TECHNICAL COMMITTEES / WORKING GROUPS

WG 2.7 (name change)	- User Interface Engineering
WG 5.11 (provisionally approved)	- Technology for the Environment
TC 6 (name change)	- Communication Systems
WG 6.4 (name change)	- Local and Metropolitan Communication Systems
WG 10.6 (established)	- Neural Computer Systems
WG 11.1 (name change)	- Information Security Management
WG 11.7 (re-established)	- Legislation
WG 11.8 (established)	- Information Security Education

- | | |
|----------------------------------|--|
| WG 12.3 (name change) | - Reasoning Techniques |
| WG 14.1 (provisionally approved) | - Continuous Algorithms and Complexity |
| WG 14.2 (provisionally approved) | - Descriptive Complexity |
| WG 14.3 (provisionally approved) | - Foundations of System Specifications |

FUTURE COUNCIL AND GENERAL ASSEMBLY MEETINGS

- | | |
|------------------------------|------------------------------------|
| Council and Related Meetings | - Trondheim: 2-6 March 1992 |
| GA and Related Meetings | - Madrid: 11, 12-16 September 1992 |

FUTURE IFIP WORLD CONGRESSES

- | | |
|--------------------------|--------------------|
| 12th Madrid, Spain | - 1992 (7-11 Sept) |
| 13th Hamburg, Germany | - 1994 |
| 14th Canberra, Australia | - 1996 |

* * * * *

COUNCIL MEETING TABLE OF CONTENTS

	<u>Page</u>
ATTENDANCE	9
1. CALL MEETING TO ORDER	11
2. APPROVAL OF AGENDA	11
3. APPROVAL OF PREVIOUS COUNCIL MINUTES (C1 Barcelona 91)	11
4. EXECUTIVE BOARD REPORT	11
5. OTHER COUNCIL BUSINESS	
125.1 Corresponding Members	12
6. FUTURE COUNCIL MEETINGS	12
7. CLOSING OF THE MEETING	13

**COUNCIL MEETING
HARARE
4 September 1991**

ATTENDANCE

Council Members Present

Bl Sendov	President
J.H. Finch	Vice-President
G.J. Morris	Vice-President
A. Rolstadas	Vice-President
A. Balasubrahmanian	Vice-President
A. Melbye	Treasurer
A. Alvarez-Rodriguez	Trustee
M. Ozeki	Trustee
D. Dolan	Trustee
M. Tienari	Trustee
K. Bauknecht	Trustee
H.L. Funk	Trustee

Council Members Absent

J.C. Fourot	Secretary
L. Penedo	Trustee
R. Iau	Trustee

Observers Present

P. Nedkov	Contracts Officer
J.L. Rosenfeld	Newsletter Editor
M. Tanaka	Assistant to M. Ozeki

In Attendance

Gwyneth Roberts

IFIP Secretariat, Geneva

Secretariat

Glenda Fairall

Computer Society of Zimbabwe

Jan Grimmel

Computer Society of Zimbabwe

N.B. Kindly note the Council convened for one hour and addressed itself to certain issues relevant to Council

* * * * *

1. CALL MEETING TO ORDER

The President opened the Council Meeting and welcomed all participants.

He expressed his appreciation to the Computer Society of Zimbabwe for hosting the Council, General Assembly and related Meetings.

The President announced that Secretary Fourot had been unable to come to Harare due to sickness in his family and Mr. Morris had kindly agreed to accept the function of Acting Secretary for the Council and General Assembly Meetings.

Apologies had been received from Trustees Iau and Penedo. As Mr. Iau had now missed two consecutive Meetings, he was deemed to have resigned; Mr. Penedo was relinquishing his role as GA representative for Portugal.

2. APPROVAL OF AGENDA

Mr. Morris advised that the Executive Board had decided to add a further item to the Agenda, namely: "Corresponding Members".

Council unanimously APPROVED the Agenda.

3. APPROVAL OF PREVIOUS COUNCIL MINUTES (C1 Barcelona 91)

Council unanimously APPROVED the Barcelona Minutes.

Mr. Morris subsequently drew attention to an exchange of correspondence between Messrs. Iau, Fourot and Goldsworthy wherein Mr. Iau had objected to some of the comments minuted under Agenda item 5.1 (Activities in South East Asia) and had requested same to be adjusted or deleted. It had been the consensus of Executive Board that the particular comments made had been fair, accurate and correctly recorded; therefore, there was no basis for the suggestion of Mr. Iau. Council CONCURRED.

The President suggested that the Acting Secretary write to Mr. Iau, pointing out that his issue had been raised in the Council, as promised, which had approved the Minutes as being an exact recording and, therefore, it did not wish to take any further action on the matter.

ACTION

4. EXECUTIVE BOARD REPORT

Mr. Morris advised that a lot of time had been expended on issues which would occur during the Council and General Assembly Meetings; therefore, there was nothing to specifically report upon at that point of time.

Nevertheless, he would like to comment on IFIP's relationship with the Sister Organizations under the FIACC umbrella. Mr. Morris said he had attended a FIACC Meeting, on behalf of the President, in Dublin, July 1991 where a wide range of items had been covered. FIACC was essentially a meeting place for Presidents or senior representatives to identify common problems and to agree on arrears where there were difficulties.

One of the main subjects discussed concerned publications and it was made clear that two or three of the other bodies had experienced difficulties with Elsevier/North-Holland and had decided to place their publication contracts elsewhere (in U.K. and Singapore). Mr. Morris underlined that had he been aware of the resources available to IFIP within FIACC, he would most certainly have contacted further publishers, particularly MacMillan, when assessing the most appropriate publishers for IFIP in his previous Task Force function. He recommended consultation with FIACC, especially where matters of importance were concerned. It was considered that the President and/or the Secretary could set up a solid line of communication.

ACTION

5. OTHER COUNCIL BUSINESS

5.1 CORRESPONDING MEMBERS

Mr. Rolstadas pointed out that the question of Regional Membership had also been raised in Executive Board to explore how IFIP could do something to more satisfactorily assist the Developing Countries and, in particular, those belonging to the Regional Groups.

A small Task Force of two Vice-Presidents has been established and, following their deliberations, it was proposed that Corresponding Membership should be open to any country which was not already a Full Member. It could also be open to colonies, protectorates, etc. (Hongkong had been borne in mind in that respect.) Corresponding Members could participate in the GA and TCs, but with no voting rights, yet have the advantage of reduced Dues. The Task Force had thoroughly recommended that this possibility be offered to all Regional Member countries (not already having the dual role of Full Member - e.g. Australia, India and Singapore within SEARCC). Emirates or other geographical regions not belonging to a Regional Member should continue to undergo the normal screening procedure.

Mr. Rolstadas added that the same issue had been raised the previous day at the Technical Assembly. The South East Asia (SEA) Commission had actually recommended the same thing. TA had endorsed the concept. The only difference was that the SEA Commission had recommended the name of Affiliate Members.

Mr. Rolstadas suggested that the Council firm up the proposal and present same to the General Assembly; however, it should be decided which nomenclature to utilize.

Following a long discussion on the issue during which all the Council Members ventured their views in respect of the most appropriate name, the necessity of changing the Statutes and Bylaws in the correct time frame according to the IFIP rules, the possibility of a mail ballot and, maybe, certain countries applying for a different grade status, the President moved that the Council propose to the General Assembly:

- either a new category of Affiliate Member or to keep the current Corresponding Member and upgrade same. The new category would have the status of attending GA and TCs without voting rights -

Council ADOPTED the motion, with one abstention.

Mr. Morris reiterated that IFIP could not change the Statutes and Bylaws without giving the required time of notice to the GA Members. However, the GA could vote on the decision to establish a new category of Member. SBC could, subsequently, be requested to find suitable words which could be formally presented to the 1992 General Assembly. In that way, the processes would not be delayed a further year. The President could write letters to those countries which might be interested in the idea (especially those within SEARCC) and, maybe, invite them to send representatives to the GA at Congress 92 time when the final decision would be taken.

ACTION

6. FUTURE COUNCIL MEETINGS

The President recalled that the Norwegian Computer Society would be kindly hosting the next Council Meeting in Trondheim, 2-6 March 1992.

He called on the Member Societies to consider inviting the Council for the first quarter 1993 Meeting.

ACTION

7. CLOSING OF THE MEETING

The President thanked the participants for their contributions and declared the Meeting closed.

* * * * *

GENERAL ASSEMBLY TABLE OF CONTENTS

	<u>Page</u>
ATTENDANCE	17
1. CALL MEETING TO ORDER	21
2. APPROVAL OF AGENDA	22
3. APPROVAL OF PREVIOUS MINUTES (GA Buenos Aires 90)	22
4. PRESIDENT'S REPORT	22
5. SECRETARY'S REPORT	22
6. CONGRESSES	
6.1 CONGRESS 92 - MADRID	23
6.1.1 Programme Committee	23
6.1.2 Organizing Committee	23
6.2 CONGRESS 94 - HAMBURG	25
6.3 CONGRESS 96 SITE DECISION	25
6.3.1 Site Evaluation Committee Report	25
6.3.2 Bid Presentation	25
6.3.3 Vote	26
7. ELECTIONS	
7.1 NOMINATIONS COMMITTEE - OFFICERS	26
7.2 NOMINATIONS COMMITTEE - TRUSTEES	27
8. FINANCES - TREASURER'S REPORT	
8.1 1990 AUDITED ACCOUNTS	28
8.2 1991 ACCOUNTS	28
8.3 MEMBERSHIP DUES STATUS AS PER 30 JUNE 1991	28
8.4 INVESTMENTS	28
8.5 1992 BUDGET	28
9. TECHNICAL ASSEMBLY	29
10. ACTIVITY MANAGEMENT BOARD	34

	<u>Page</u>
11. REGIONAL ACTIVITIES IN EUROPE	36
12. TECHNICAL COMMITTEES / SPECIALIST GROUP	
12.1 TC 2	36
12.2 TC 3	37
12.3 TC 5	37
12.4 TC 6	38
12.5 TC 7	39
12.6 TC 8	40
12.7 TC 9	41
12.8 TC 10	42
12.9 TC 11	42
12.10 TC 12	43
12.11 TC 13	43
12.12 SG14	44
13. COMMITTEE REPORTS	
13.1 Admissions Committee	44
13.2 Congress Guidelines Committee	45
13.3 Developing Countries Support Committee	46
13.4 Finance Committee	46
13.5 IFIP Committee for International Liaison (ICIL)	48
13.6 IFIP-Unesco Liaison	48
13.7 Internal Awards Committee	49
13.8 Marketing Committee	
13.8.1 IFIP Newsletter	50
13.9 Publications Committee	50
13.10 Statutes and Bylaws Committee	51
14. AFFILIATE MEMBERS	52
15. REPORTS OF MEMBER SOCIETIES	52
16. FUTURE MEETINGS	52
17. OTHER GENERAL ASSEMBLY BUSINESS	52
17.1 K. Ando - Honorary Member	52
17.2 Reverse Engineering in IT	52
18. CLOSING OF THE MEETING	53

**GENERAL ASSEMBLY MEETING
HARARE, ZIMBABWE
4-6 September 1991**

ATTENDANCE

Officers Present

Bl. Sendov	President	Bulgaria
J.H. Finch	Vice-President	Canada
G.J. Morris	Vice-President	U.K.
A. Rolstadas	Vice-President	Norway
A. Balasubrahmanian	Vice-President	India
A. Melbye	Treasurer	Denmark

Members Present

A.W. Goldsworthy	Australia
W. Grafendorfer	Austria
Li Ye	China
M. Tienari	Finland
W. Brauer	Germany
P. Kovacs	Hungary
D. Dolan	Ireland
M. Gottlieb	Israel
M. Ozeki	Japan
D.H. Wolbers	The Netherlands
C. Guy	South Africa
A. Alvarez-Rodriguez	Spain
K. Bauknecht	Switzerland
H.L. Funk	U.S.A.
G.R. Fairall	Zimbabwe
R.P. Uhlig	ICCC
A.A. Verrijn-Stuart	Affiliate Member
	Individual Member

Members Represented By Proxy

H. Monteverde	Argentina	A. Alvarez-Rodriguez
L. Uncovsky	C.S.S.R.	W. Grafendorfer
J.C. Fourot	France	G.J. Morris
I. Staikos	Greece	W. Grafendorfer
G. Sacerdoti	Italy	A. Melbye
Z. Bubnicki	Poland	Bl. Sendov
L. Penedo	Portugal	A.W. Goldsworthy
NZCS	New Zealand	A.W. Goldsworthy
R. Iau	SEARCC	A. Balasubrahmanian
SCS	Singapore	A.W. Goldsworthy (for C 96 vote)

Members Absent

J.E.D. Navez		Belgium	
F. de Souza Neto		Brazil	
R.F. Perellada		Cuba	
A.E. Sarhan		Egypt	
H. Aboud		Iraq	
J.W. Cho		Korea	
T. Odegbami		Nigeria	
F. Kamoun		Tunisia	
J.A. Pino		CLEI	
S.B. Jaiyesimi		WARCS	
P. Devijver	Affiliate Member		IAPR
J. Brosveet			IASC
J. Tiberghien			EUROM ICRO
A. Bridges			FACE
D.E. alker			IJCAII
G. Bracchi			VLDB
J.L. Willem			IMIA
I.L. Auerbach	Honorary Member		
H. Zemnek			
R.I. Tanaka			
P.A. Bobillier			

Technical / SG Committee Chairmen Present

P.C Poole	TC 2
P. Bollerslev	TC 3
R.P. Uhlg	TC 6
P. Thoft-Christensen	TC 7
G.B. Davis	TC 8
K. Brunnstein	TC 9
G.L.Reijns	TC 10
W.J. Caelli	TC 11
J. Gruska	SG 14

Technical Committee Chairmen Absent

M. Tomljanovich	TC 5
R. Meersman	TC 12
B. Shackel	TC 13

Committee Chairmen Present

Rosa Alonso	Congress 92 OC
-------------	----------------

Observers Present

L. Gudza	President, Computer Society of Zimbabwe
H.M. de Oliveira	Past-President, Computer Society of Zimbabwe
P.B. Kaela	Chairman, ARCC
J. Ncube	Secretary-General, ARCC
G. Okado	Kenya Computer Institute
O. Come	Mozambique
G. Haring	President, Austrian Computer Society
C. Gergely	Vice-President, John v. Neumann Society
D. Sima	John v. Neumann Society
Maria Toth	John v. Neumann Society
P. Nedkov	Contracts Officer
P. Falster	Activity Secretary
J.L. Rosenfeld	IFIP Newsletter Editor
V. Cordonnier	Microprocessor Card TF Chairman
Stephanie Smit	Elsevier/North-Holland
F. Fernandez-Campon	Congress 92 OC
M. Tanaka	Assistant to M. Ozeki
F.A. Limacher	Australia - Convention Bureau
Julia Trizna	Hungary - Convention Bureau

In Attendance

Gwyneth Roberts	IFIP Secretariat, Geneva
-----------------	--------------------------

Secretariat

Glenda Fairall	Computer Society of Zimbabwe
Jan Grimmel	Computer Society of Zimbabwe

* * * * *

1. CALL MEETING TO ORDER

The President opened the General Assembly Meeting and welcomed all the participants. It was the first GA to be held in Africa and IFIP was very grateful to the Computer Society of Zimbabwe. He thanked Mr. Gudza (President), Mr. Fairall (GA representative) and all their colleagues for the excellent arrangements and warm hospitality.

Mr. Gudza said that his Society was very proud to have the IFIP delegates in Zimbabwe - a beautiful country which he trusted everyone would have the opportunity to explore. He advised that the Society had been created in August 1974 with people from universities, commerce, industry and the government. The structure was simple with a National Council and Chapters (two in Harare); full, associate, affiliate, constituent and institutional members. It had become a member of IFIP in 1987 and had taken strides to try to promote regional links. Mr. Gudza out-lined the IFIP/Unesco-sponsored Workshop concerned with education and training which had taken place the previous week with the participation of the TC 3 Chairman. He looked forward to further, similar activities.

The President announced that Secretary Fourot had been unable to come to Harare due to sickness in his family and Mr. Morris had kindly agreed to accept the role of Acting Secretary for which he was extremely appreciative.

The President introduced Mr. Guy, the new representative for South Africa.

Mr. Morris announced that proxies had been received

from:		in favour of:
Mr. Monteverde	- Argentina	Mr. Alvarez-Rodriguez
Mr. Uncovsky	- C.S.S.R	Mr. Grafendorfer
Mr. Fourot	- France	Mr. Morris
Mr. Staikos	- Greece	Mr. Grafendorfer
Mr. Sacerdoti	- Italy	Mr. Melbye
Mr. Bubnicki	- Poland	Mr. Sendov
Mr. Penedo	- Portugal	Mr. Goldsworthy
	- New Zealand	Mr. Goldsworthy
Mr. Iau	- SEARCC	Mr. Balasubrahmanian

Singapore had given its proxy to Mr. Goldsworthy in respect of the voting for the Congress 96 lieu.

Excuses had been received from Messrs. Kamoun/Tunisia, Zemanek, Tanaka, Bobillier/Honorary Members, Devijver/IAPR, Brosveet/IASC, Bridges/FACE, Bracchi/VLDB, Willems/IMIA, Tomljanovich/ TC5 Chairman, Meersman/ TC12 Chairman and Shackel/ TC13 Chairman.

Mr. Morris regretted that no news had been forthcoming from Belgium, Brazil, Cuba (refer to Agenda item 5), Egypt, Iraq, Korea, Nigeria, Syria, CLEI, WARCS, Affiliate/EUROMICRO, Affiliate/IJCAII.

Due to an unfortunate itinerary incident, Mr. Dorodnicyn/U.S.S.R. had not been able to complete his journey to Zimbabwe.

2. APPROVAL OF AGENDA

Mr. Morris referred to the newly-distributed Agenda - the contents of which did not differ from the one previously mailed, but had now been scheduled per Session.

General Assembly unanimously APPROVED the Agenda.

3. APPROVAL OF PREVIOUS MINUTES (GA Buenos Aires 90)

General Assembly unanimously APPROVED the Buenos Aires Minutes.

4. PRESIDENT'S REPORT

The President drew attention to his Annual Report 1990/91 and highlighted some of the contents:

IFIP had fortunately been able to avoid a serious disruption in its activities during the Gulf crisis.

Efforts had been made to strengthen IFIP's connections with its Affiliates and other international organizations. He had been appointed as Extraordinary Vice-President of ICSU in September 1990 and was in a favourable position to fructify the relationship between IFIP and ICSU.

A number of countries had expressed their desire to join the Federation, including, just recently, Albania.

In December 1990, he had participated in the SEARCC 90 Conference. Most of SEARCC's concrete proposals for co-operative arrangements with IFIP had received the full support of the Council at its March 1991 Barcelona Meeting.

35 books had been published by Elsevier/North-Holland during the reporting period. IFIP publications were of major importance for the image and visibility of IFIP and generated a substantial income.

The final surplus from Congress 89, San Francisco, had totalled approximately CHF 280,000 - an excellent example of a very well organized event

The President said he would address certain issues as they arose during the course of the Meeting and wished to underline, once again, the importance of the diversified work of the Technical Committees and their Working Groups which affirmed IFIP's role as a world leader in the field of information processing.

5. SECRETARY'S REPORT

Mr. Morris presented the report of Mr. Fourot (SECR-1) and referred to the status of Cuba which was more than three years in arrears with its Dues payments. As reported at the Barcelona, March 1991 Council Meeting, Cuba had expressed its definite intent to remain as a Full Member and settle the Dues as it became possible. Consequently, the Council decided

exceptionally to postpone applying the relevant clause of its Bylaws until GA. He advised that the following fax had just been received from Cuba and, as a result, no action needed to be taken to terminate its Membership.

"This is to inform you that we have found the necessary money to pay our Membership Dues for the years 87, 88 and 89. We intend to pay the Dues for 90 and 91 during the first semester of 92. Please take into consideration our financial conditions and the great efforts we are doing to be in the Federation. Thank you very much for your understanding."

Mr. Morris advised that ICSU had contacted Mr. Fourot in connection with its review of Associate Members and had requested certain criteria. A copy of Mr. Fourot's report to ICSU of 1 August 1991 was attached to SECR-1.

It was recalled that the IFIP Secretariat in Geneva offered services to IMIA and ICCC was now interested in a similar possibility. The matter would be discussed with Mr. Uhlig, ICCC representative, during the course of that week.

The 'Continuing Action List' had been updated and distributed on 10 July 1991 and Mr. Morris urged concerned parties to inform Mr. Fourot once an item could be eliminated from the List

ACTION

6. CONGRESSES

6.1 CONGRESS 92 - MADRID

6.1.1 PROGRAMME COMMITTEE

Mr. Brauer indicated that PC had undertaken the main work at its February 1991 meeting which had resulted in the production of the First Call for Papers. He sincerely thanked Mr. Funk for having helped him to finalize same at the end of the Barcelona Council meeting. (The deadline for submission of Papers had been moved to 10 January 1992 as people did not wish to submit Papers too much ahead of time and be out of step with progress.)

Since then, PC had proceeded according to its schedule. The text for the Final Call for Papers and Preliminary Programme was almost ready and would include a list of the Invited Speakers and Panelists.

In the second week of July 1991, Mr. Brauer said he had had the possibility of attending an OC meeting in Madrid which had taken place at the Congress Site.

He advised that he would be advertizing the Congress at his Society's Annual Conference the following month and at a later "Systems Fair" in Munich.

6.1.2 ORGANIZING COMMITTEE

Mrs. Alonso drew attention to her report (C920C) of August 1991 and commented on the promotional activities: distribution of the Call for Papers, Information Stands at local and international events and advertisements in various magazines and journals. Mr. Reijns had queried the fact that most of the members of the Working Groups had not received copies of the First Call for Papers (although it had been referred to in the IFIP Newsletter which they received). Mrs. Alonso assured that copies of the Final Call would be mailed out by the IFIP Secretariat together with copies of the September 1991 Newsletter (if

ACTION

available in time) or with the October 1991 Bulletin at the beginning of that month. Should any event organizer be interested in setting up a Congress 92 Stand, Mrs. Alonso requested that she be contacted for promotional material.

ACTION

The registration fees had had to be slightly modified as follows:

up to 4 May 1992 : Pesetas 44,000

up to 15 July 1992 : Pesetas 52,000

up to Congress : Pesetas 59,000

Mrs. Alonso advised that the schedule for the printing of the Proceedings had been agreed upon with the Programme Committee and ElsevierNorth-Holland and they would be delivered in Madrid by 3 September.

An Honour Committee was in the process of being established and OC was elated that their Majesties, the King and Queen of Spain, had accepted to preside over same. They had been invited to attend the Opening or Closing Ceremony.

Mrs. Alonso advised that the Technical Visits, Social Events and Tourist visits had been selected - as outlined in her report

It had been agreed with PC to offer Tutorials to the Invited Speakers - which would be handled very shortly, probably by the end of the week in Harare.

Mrs. Alonso gave a run-down on the Budget and Cash-flow and confirmed that letters had been sent to six companies which had been selected as possible sponsors in an amount of Pesetas 60,000 per Sponsorship. At the present time, three had accepted the offer. Alternative kinds of sponsorship would be offered to other industries.

In reply to a query re the Exhibition, Mrs. Alonso informed that it would be run only under the responsibility of the Host country with no benefits nor loss to IFIP - as had been discussed at the Barcelona Council Meeting. She reiterated that the Exhibition was completely separate from the Congress as far as IFIP was concerned which was duly corroborated by the President.

Mrs. Alonso referred to the hotel prices listed at the back of her report, which would also apply for participants to the General Assembly and Related Meetings. Everyone present found them horrendously high and impossible. Several suggestions were put forward, including the possibility of holding GA on the outskirts of Madrid, on a University campus, etc. Mr. Funk felt it was essential to kindly ask IFIP's Spanish friends to organize a block-booking in an inexpensive hotel. The President underlined that one must have the possibility of not paying more than \$ 100 per night. Mr. Alvarez was convinced that cheaper accommodation could be obtained.

Mrs. Alonso and Mr. Alvarez were asked to kindly explore the situation and send their findings to Secretary Fourot.

ACTION

The President said he approved the report of Mrs. Alonso and trusted everything would be in very good shape in 1992. General Assembly CONCURRED.

6.2 CONGRESS 94 - HAMBURG

Mr. Brauer advised that everything was going well. The Organizing Committee had last met on 15 August 1991 and had looked at the budget in detail. The main items discussed related to fund-raising and an advertizing campaign. The Congress logo had been final-ized. Mr. Brauer said he had particularly stressed it should convey that IFIP was the re-sponsible body for the Congress. The logo was duly presented to the GA participants. Now that the PC Chairman has been appointed, he would be profiled in the Society Journal and at its Annual Conference next month.

The President said he had invited Mr. R.P. Uhlig, the current TC 6 Chairman and ICCC representative, to Chair the Congress 94 Programme Committee and he was extremely glad Mr. Uhlig had accepted. He now appointed him officially and wished him well for the next three years. General Assembly APPLAUDED.

Mr. Uhlig said he had already had discussions with Mr. Brauer and, at the Technical Assembly Meeting, had asked each TC Chairman what he thought would be his three most important topics in the field in 1994. Their answers have been included in the TA report (TA-1). A few additional topics not covered by the TCs would also be considered.

Mr. Uhlig said it was his intent to have the PC members named by the time of the next Council and a PC meeting could possibly be held adjacent to the Madrid General Assembly.

He called on the GA participants to submit any ideas they might have, including titles of "hot" topics.

ACTION

6.3 CONGRESS 96 SITE DECISION

6.3.1 SITE EVALUATION COMMITTEE REPORT

Mr. Alvarez-Rodriguez referred to his report (SEC-1) and advised that two excellent proposals had been received to host the 1996 Congress - namely from Australia (Canberra) and Austria/Hungary combined (Vienna/Budapest). Unfortunately, a third proposal received from China (Beijing) had been withdrawn.

The sites had been visited by members of SEC and the reports on those visits were con-tained in document (SEC-2). SEC expressed its sincere thanks to the representatives of the bidding organizations for the courtesy and co-operation received during the in-vestigations.

A summary of the budgets received for the two proposals was given in document (SEC-3).

6.3.2 BID PRESENTATIONS

Excellent presentations were made by the bidders: Mr. Goldsworthy/Australia; Messrs. Grafendorfer and Haring/Austria with Mr. Gergely and Mrs. Toth/Hungary.

The President thanked the aforementioned persons and expressed IFIP's appreciation of the receptions which had been offered by the bidders to introduce their local culture, etc.

6.3.3 VOTE

Mr. Morris announced that there were 32 valid votes.

General Assembly VOTED in favour of Canberra (23) to host IFIP Congress 96.

Mr. Goldsworthy thanked General Assembly for its support and confidence and very much looked forward to welcoming everyone in Canberra in 1996.

Messrs. Haring and Gergely congratulated the Australian Computer Society and wished it much success. They had noted the great interest shown in their efforts and performance and this gave them some hope for the future.

General Assembly warmly APPLAUDED the bidders and their colleagues from the respective Convention Centres.

7. ELECTIONS

7.1 NOMINATIONS COMMITTEE - OFFICERS

Mr. Melbve referred to his report - in the form of a letter sent out to Full Member GA representatives on 10 July 1991 in compliance with the rules in the Bylaws.

He advised that Messrs. Finch and Rolstadas had been nominated for the office of President-Elect.

Mr. Finch had just completed his first term as Vice-President and had informed that he was not available for re-election as a V-P. If elected as President, then there would be one V-P vacancy. Should Mr. Rolstadas be elected, this would lead to two V-P vacancies. Messrs. Funk and Goldsworthy had been nominated for V-P positions.

Mr. Melbve drew attention to the new procedure of requesting biographies from the nominees - to allow them to explain what they considered to be important facts and also to inform other people who did not know them very well.

The main criteria for nomination included proved record of service to IFIP, experience and commitment in relationship with IFIP. Geographical distribution had not been taken into consideration.

NCO had also asked the Member Societies to confirm their support for the candidates and had indicated that the term of office was three years.

Mr. Melbve announced that Mr. Morris had been nominated from the floor for President-Elect.

General Assembly VOTED as follows:

- Mr. Finch (12)
- Mr. Rolstadas (14)
- Mr. Morris (5)

It was necessary to make a re-vote as not one candidate had an absolute majority (refer to IFIP Bylaw 3.4).

General Assembly ELECTED Mr. Rolstadas/Norway as President-Elect (16). Mr. Finch/Canada received (15).

The President thanked the President-Elect candidates for their participation and congratulated Mr. Rolstadas. He placed on record his appreciation of the activity undertaken by Mr. Finch during his Vice-Presidentship.

General Assembly ELECTED Mr. Funk/U.S.A. as Vice-President for a three-year term (24).

General Assembly ELECTED Mr. Goldsworthy/Australia as Vice-President for a one-year term (20).

7.2 NOMINATIONS COMMITTEE - TRUSTEES

Mr. Morris acted on behalf of NCT Chairman Fourot and referred to the latter's letter of 26 July 1991 distributed to Full Member GA representatives.

There were six Trustee vacancies: Messrs. Alvarez-Rodriguez, Dolan and Ozeki had just completed their first term, but were up for re-election. Mr. Iau was deemed to have resigned and Mr. Penedo was relinquishing his role as GA representative for Portugal. Due to Mr. Funk's election as Vice-President, a further vacancy had become available.

In addition to the candidates presented by NCT, Messrs. Grafendorfer and Khakhar were nominated from the floor.

General Assembly

RE-ELECTED Mr. Alvarez-Rodriguez/Spain for a three-year term (29)

RE-ELECTED Mr. Dolan/Ireland for a three-year term (26)

RE-ELECTED Mr. Ozeki/Japan for a two-year term (25)

ELECTED Mr. Fairall/Zimbabwe for a three-year term (27)

ELECTED Mr. Brauer/Germany for a one-year term (17)

Messrs. Grafendorfer, Gottlieb and Li Ye received respectively (13), (12) and (8) votes.

The President thanked the Trustee candidates for their participation and congratulated those elected.

General Assembly APPLAUDED the elected Officers and Trustees.

Mr. Rolstadas said it was an honour to have been elected as President-Elect and to follow in the footsteps of President Sendov.

8. FINANCES-TREASURER'S REPORT

(Kindly note mentioned figures have been rounded off.) Mr. Melbye drew attention to his Annual Report 90/91 and to his GA Report - TREAS-1.

8.1 1990 AUDITED ACCOUNTS

Mr. Melbye presented TREAS-3A: 1990 Accounts (Actual, Audited, Budget Approved, 1989 Audited). He felt that the resulting surplus of CHF 173,000 could be noted with satisfaction against the budgeted loss of CHF 20,000. The improvement had been achieved by a combination of excess income - approximately CHF 100,000 (18%) which was mostly due to Congress 89, and reduced expenses - approximately CHF 94,000 (17%). In comparison to 1989, income had increased by 6% and expenses by 3%. IFIP's assets at the end of 1990 amounted to CHF 1,300,000. The figures were almost identical to those presented to the Council in March. Mr. Melbye referred to the Auditor's Report -TREAS-2.

He considered that IFIP's finances were in a reasonably healthy position and moved that the audited figures for 1990 be approved.

General Assembly unanimously ADOPTED the motion.

8.2 1991 ACCOUNTS

Mr. Melbye presented TREAS-3B: 1991 Accounts (Actual Estimated, Budgeted Approved and Actual Recorded for the first six months). He estimated a year-end surplus in the region of CHF 110,000.

TREAS-6: IFIP Event Financial Report as per 30 June 1991 outlined the events sorted by TC and event month with the position of loans, grants and surplus received.

8.3 MEMBERSHIP DUES STATUS AS PER 30 JUNE 1991

Attention was drawn to TREAS-4 which showed that a considerable number of Members had not paid their Dues by 30 June. However, it was noted that several amounts had been received in the meantime. Mr. Melbye pointed out three critical cases (Brazil, Greece and CLEI) which had been duly re-contacted. In respect of the 1991 outstanding Dues, he urged every respective country GA Member to follow up on same with his Society.

ACTION

8.4 INVESTMENTS

Mr. Melbye referred to TREAS-5: IFIP Portfolio Valuation Report as per 30 June 1991 which showed a return on assets of CHF 81,000. The investments would be further reported on by the Finance Committee.

8.5 1992 BUDGET

Mr. Melbye presented TREAS-3C dated 5 September 1991 outlining the Requested and Proposed figures for 1992 together with the 1991 Approved Budget for comparison.

He gave a briefing on certain changes which had been made between Requested and Proposed figures and particularly pointed out that the Congress Loans Outstanding had to be amended from CHF zero to CHF 40,000 in view of the GA decision not to write off the C86 loan.

In respect of Event Proceeds, Mr. Melbye said he had invited the TC Chairmen to advise their expectations, but he had only heard from TC 5. The figures shown were his, yet he hoped some of the TCs could reach a higher amount

In reply to a query concerning the proposed Marketing Committee figure of CHF 20,000 against CHF 5,000 for 1991, Mr. Finch said amounts of CHF 15,000 had been allocated for the Press Officer and his work, the TC Snapshots, etc. and CHF 5,000 for other promotional activities and miscellaneous travel.

Messrs. Reijns and Bollerslev stated that, as PC members for Congress 1992, they expected their expenses to be reimbursed - either from the Congress Budget or the TC Funds.

Mr. Grafendorfer suggested that if the President wrote to the respective National Societies of the Congress PC members, they might give financial assistance.

Mr. Melbye queried if the General Assembly would accept a budgeted deficit of CHF 52,000 although the Council would have preferred aiming for a balanced Budget Mr. Rolstadas saw no objection due to the fact that no income would be forthcoming in 1992 from a Congress.

Mr. Melbye moved that the 1992 Proposed Budget, together with the modification to the Congress Loans Outstanding, be approved.

General Assembly unanimously ADOPTED the motion.

9. TECHNICAL ASSEMBLY

Mr. Rolstadas advised that TA had met the previous day. All the TCs and the SG had been represented, some by the Cognizant Trustees. Mr. Zwangobani of the Computer Society of Zimbabwe had addressed TA.

Reporting guidelines had been re-issued in advance to the TC/SG Chairman who, with the exception of TC 12, had submitted reports which were attached as appendices to his report TA-1. For TC 12, reference was made to the Minutes of its first meeting, 31/5 -1/6/91, Bruges which had been distributed to all GA participants.

Mr. Rolstadas highlighted certain issues which had been raised by the Technical Committees:

TC 2 - TA had approved the renaming of WG 2.7 to "User Interface Engineering". It had also approved new Aims and Scopes for the TC and its Working Groups 2.2,2.3, 2.4, 2.5,2.6,2.7 and 2.8. (Refer to Annexe I to these Minutes) The Aim and Scope of WG 2.1 would be submitted for approval at the next TA meeting.

ACTION

Mr. Rolstadas moved that the new Aims and Scopes of TC 2 be approved which was unanimously ADOPTED by the General Assembly.

The question of VOTING RIGHTS for WG Chairmen in the TCs had been raised by TC 2 and it was agreed to solicit input from all TCs for discussion at the next TA. Additionally, it was recommended that TC Chairmen should have a vote at GA.

The President appointed a Task Force comprising Messrs. Rolstadas (Chairman), Funk, Thoft-Christensen and Uhlig to examine the latter issue and to draw up a document for the next Council Meeting.

ACTION

TC 3 - had strongly recommended that more pressure be put on Unesco in order that IFIP become its leading partner in Information Technology matters. Also, Unesco back-up for IFIP involvement in international Olympiads in Informatics. Unfortunately, TC 3 had not yet been successful in obtaining revised Aims and Scopes from its WG Chairmen.

ACTION

TC 5 - was greatly disappointed that the planned Conference in Zimbabwe on "Agriculture and Food Production" had had to be cancelled.

TC 5, and others, mentioned that their members were becoming older and fewer and, from experience, it was often difficult to get replacements for retiring members.

Mr. Rolstadas said TA resolved that the GA Members be requested to review their lists of representatives on the TCs to determine if any changes or supplements were necessary.

General Assembly unanimously CONCURRED.

ACTION

The Secretary was asked to kindly include this item in the 'Continuing Action List'.

ACTION

TC 5 had mentioned the problem of co-operating with IFAC despite the Task Force which had been created under the Chairmanship of T.J. Williams who was active in both Federations.

As a consequence, TA invited the General Assembly to approve the following Guidelines:

- a) IFIP may establish joint Working Groups with any FIACC Member or Affiliate Member Society.
- b) The Chairman of the WG must be jointly agreed to by the appropriate Societies.
- c) Activities of the WG require either joint sponsorship or alternating sponsorship.
- d) Either IFIP or other appropriate Society publisher may be selected. Royalties should be split between IFIP and the other Societies.
- e) Surplus from activities shall be split between IFIP and the other Societies.
- f) Operating expenses for the WG supported by IFIP must be matched equally by the other Societies.

General Assembly unanimously APPROVED the Guidelines which the TC/SG Chairmen were asked to note.

ACTION

TC 5 had requested approval of a new Working Group - WG 5.11 on "Technology for the Environment". TA felt it was premature for TC 5 to establish such a Group prior to the report to the TA meeting in Madrid of the earlier-established Task Force. Nevertheless, TA had provisionally approved WG 5.11 with the suggested Aim and Scope as outlined in Annexe II to these Minutes. The Task Force should be included in the Group and a joint proposal for a final Aim and Scope should be presented to TA in Madrid.

ACTION

- TC 6 - had requested a name change to "Communication Systems" which TA recommended to the General Assembly for its approval.
- General Assembly unanimously APPROVED the TC 6 name change.
- TA had also approved the renaming of WG 6.4 to "Local and Metropolitan Communication Systems".
- TC 6 had established additional Task Groups to explore activities leading toward the establishment of new Working Groups in three new areas: "Performance Evaluation", "Wireless Communication" and "Intelligent Networks".
- TC 7 - had advised that its Working Groups seemed to be functioning satisfactorily. However, the Aim and Scope of WG 7.1 had not yet been revised and Mr. Thoft-Christensen would follow up on same. He had also been strongly in favour of the issue of voting rights for TC Chairmen in GA. ACTION
- TC 8 - would welcome expanded representation from the Eastern European countries and from Singapore. ACTION
- The Aim and Scope of WG 8.1 had been revised and approved by TA. (Refer to Annexe II to these Minutes)
- TC 8 favoured joint meetings and co-operation amongst all Working Groups, which was supported by several TCs. (The matter is addressed later)
- TC 9 - The Aims and Scope of WG 9.6 "Computer Security Law" were still preliminary (as outlined in the GA Buenos Aires 90 Minutes - pages 34/35) and were subject to revision in order to avoid overlap with WG 11.7 "Legislation".
- TC 9 wished to co-operate with the projects of the British and Austrian Member Societies in respect of "Computers and Disability" and felt it was also a subject of concern for other TCs. TC 9 was considering the organization of a Poster Session within the framework of Congress 92. Subsequently, it would present a plan of action in that field to TA. ACTION
- TC 9 would also explore a new activity for IFIP - "Computers and Culture" and trusted that Congress 94 would devote a part of its Programme to that theme. ACTION
- Regarding the status of the "IFIP Code of Ethics", a special Sessions would be dedicated to same at Congress 92 under the Chairmanship of the IFIP President. TC 9 called upon all TCs and IFIP officials to stimulate participation in that discussion. ACTION
- TC 10 - TA had approved the establishment of a new Working Group - WG 10.6 on "Neural Computer Systems". (Refer to Annexe II to these Minutes)
- Mr. Reijns had raised the subject of the distribution of the C 92 Call for Papers and, as confirmed under Agenda item 6.1.2 (C92 OC), all TC and WG members would receive copies.
- TC 11 - TA had approved the restructuring and renaming of WG 11.1 to "Information Security Management". It had also approved the establishment of WG 11.8 on "Information Security Education". (Refer to Annexe III of these Minutes)

TA had decided to re-establish WG 11.7 on "Legislation" (which had been disbanded at GA Buenos Aires 90 on account of the creation of WG 9.6) with its previous Aims.

Revised names, Aims and Scopes for WG's 11.2 and 11.4 would be presented at the next TA meeting.

ACTION

TC 12 - TA was concerned about the TC 12 and wished to encourage and help it to become active.

TA had approved the name-change of WG 12.3 to "Reasoning Techniques" together with its Aim and Scope. (Refer to Annexe III to these Minutes)

The Scopes of WG's 12.1, 12.2 and 12.4 were still provisional and definite Aims and Scopes were expected to be presented at the next TA meeting. The same also applied to TC 12 itself.

ACTION

ACTION

TC 13 - TA had approved the revised Aims and Scope of WG 13.1 on "Education in HCI and HCI Curriculum". (Refer to Annexe III to these Minutes) TC 3 would be asked to nominate two members to that Group to ascertain coordination.

ACTION

Mr. Rolstadas remarked that there were plans for launching Journals in TC's 6 and 11. TA had encouraged the initiative and advised them to go ahead despite the fact that the Publications Committee had to provide a policy for such undertakings.

ACTION

SG 14 - TA provisionally approved the establishment of three Working Groups: WG 14.1 on "Continuous Algorithms and Complexity", WG 14.2 on "Description Complexity" and WG 14.3 on "Foundations of System Specifications". Possible overlap with other TCs would be discussed at the time of submission of the respective Aims and Scopes - most likely at the TA meeting in Trondheim.

ACTION

ICCC - had expressed its interest in the idea of joint Working Groups.

Joint IFIP Working Groups

Mr. Rolstadas underlined that TA had felt the need for Working Groups to have a strong liaison with more than one Technical Committee and, as a consequence, proposed the following guideline for approval by GA

- a) A WG must belong to one TC for all administrative matters.
- b) A WG may belong to and report to more than one TC on technical matters.
- c) Such a WG will be listed in the Information Bulletin under the TC having the administrative responsibility with a reference regarding the TCs it reports to on technical matters.

General Assembly unanimously APPROVED the proposal.

SBC was requested to incorporate same in the IFIP Standing Orders.

ACTION

TC Reviews

Mr. Ozeki had presented the status of the TC Reviews to TA which had decided upon the following:

- TC 3 Review: would continue with the participation of the new TC 3 Chairman, Mr. Bollerslev, in the RC.

- TC 6 Review: would be deferred until 1992.
- TC 7 Review: would be deferred pending election of new TC 6 chairman.
- TC 9 Review: would continue; completion expected by September 1992.
- TC10 Review: had been started in 1986, but never completed - value now considered irrelevant. A new Review would be initiated.
- TC11 Review: would be deferred.

A long discussion ensued on the TC Review structure during which Mr. Thoft-Christensen felt it would be more appropriate to have an on-going Review. Mr. Brunnstein favoured every three years. Mr. Bauknecht considered a six-year span was more reasonable.

Mr. Rolstadas recalled that, during a previous discussion, it had been agreed to make a Review dependent upon the entering into Office of a new TC Chairman.

IFIP Activity in Africa

Mr. Zwangobani of the Computer Society of Zimbabwe had been invited to address TA on the subject of where and how IFIP could become more involved in assisting the African countries.

Following his in-depth dissertation and a lengthy discussion, it was underlined that DCs must specify their exact needs and initiative for activity had to be raised by them. A collection of general ideas did not suffice.

It was pointed out that DCSC (Developing Countries Support Committee) had already taken great strides to set up general policies in respect of assisting Regional (DC) Members. Notwithstanding, TA had decided that DCSC should take an initiative concerning training activities (education of teachers).

ACTION

TA considered that DCs should be given the opportunity to nominate 'corresponding' members to Working Groups and encouraged the TC Chairmen to reflect on same as they had the task of appointing members to their WG's.

ACTION

TC 11 had been asked to look into the question of providing tools for the evaluation of Information Technology, whereas TC 3 would again approach UNESCO to obtain stronger financial and expertise support

ACTION

ACTION

Microprocessor Card Task Force

Mr. Rolstadas recalled that a Task Force had been established under the Chairmanship of Mr. Cordonnier who had presented an extensive report to TA.

It was considered highly important for IFIP to move into the Microprocessor Card field. TF had been able to arrange with WG 8.4 to organize a WC in June 1992 in Ottawa on "The Portable Office: Microprocessor Cards as Elements of Distributed Offices", following which it was aimed to establish a Specialist Group. A proposal would be presented to TA in Madrid.

The Task Force would also give thought to the issuing of an IFIP publication on 'Patents, Licenses and Standards'.

Fractals Task Force

Mr. Rolstada reported that, unfortunately, he had received no answer from the successor proposed by the former TF Chairman, Mr. Penedo. He would attempt to re-contact the latter on the issue.

ACTION

Teleconferencing

Mr. Rolstada recalled the offer of Mr. Uhlig in respect of free teleconferencing for IFIP - which offer would remain open until the next TA meeting. It was disappointedly noted that members of the IFIP family had not taken advantage of same with the exception of one Working Group.

Editing of TC and WG Aims and Scopes

Mr. Morris had reported that proposals for editorial changes had been submitted to all Technical Committees. The amended versions would be included in the upcoming Information Bulletin.

South East Asia Commission / Corresponding Members

The SEA Commission, under the Chairmanship of Mr. Goldsworthy, had been established to explore the improvement of IFIP / SEA relations. (In that respect, kindly refer to the CI Barcelona 91 Minutes, pages 12-13.)

Mr. Goldsworthy had strongly recommended that IFIP communicate direct with member nations of Regional Members and encourage them to have a more active role in IFIP.

As a consequence, TA and the Council had endorsed the concept of offering the possibility of a corresponding (or other) Membership to Regional Member countries - not already having the dual role of Full Member. The new category would allow for attendance at GA and TC meetings, but without voting rights.

Following a lengthy debate, General Assembly unanimously ADOPTED the creation of an 'Associate Member category' - such a Member would be entitled to be represented at GA and some of its Committees and to participate in the IFIP deliberations and planning. Furthermore, it could appoint a representative to each TC and be involved in the WG's. The only limitation would be - no voting rights. There would be a Membership Fee.

In order to save time, as the mechanism - via the Statutes and Bylaws Committee - would have to be formalized at the next GA Meeting in Madrid, the President agreed to immediately write to concerned parties proposing the new category of Membership.

ACTION
ACTION

10. ACTIVITY MANAGEMENT BOARD

Mr. Melbye drew attention to his Annual Report 90/91 and to his report to GA - AMB-1 outlining Event Management and Budget Administration. He drew attention to AMB-2 - an example of a TC Event Status Report and to AMB-3 - IFIP Event Status Summary as per 28 August 1991.

AMB had met prior to GA and Mr. Melbye presented AMB-4 - a report from that meeting.

The Activity Secretary, Mr. Falster, had given a briefing on the state and use of the Event Database and the Update sheet procedure. It was hoped to extend the details of the Database

by including the number of Event attendees, which would be a yardstick for the future. The TC Chairmen would be urged to supply such information.

ACTION

Mr. Falster also produced the IFIP Plan Report (sorted by organizer, country and date sequence) on a quarterly basis - distributed via the IFIP Secretariat to GA Member Societies, Representatives, etc., etc. Mr. Melbye called upon the GA Representatives to carefully study the country sequence and take up contact with the TC Chairmen so that the greatest impact could be made in the Member country.

ACTION

In respect of the TC Funds procedure, approved by GA Buenos Aires 90, AMB had decided to submit an alternative proposal in order to give higher incentives for the TCs to increase pro-ceeds from activities. Mr. Melbye, therefore, recommended that GA approve the following:

"TC Funds provisions are defined for each TC at the end of the fiscal year as the sum of two components:

- a) 25 % of royalties accounted, and*
- b) 75 % of proceeds less expenses and grants accounted" .*

In respect of b), both positive and negative values would apply. Should the total net for a TC become negative, the TC Fund balance would be correspondingly reduced. If this would create a negative TC Fund balance, then GA would decide how same should be treated.

General Assembly unanimously ADOPTED the recommendation.

General Assembly unanimously APPROVED the revised AMB Charter, as follows:

- 1. To monitor, in conjunction with the relevant Chairmen and Cognizant Officers, the administrative aspects of all planned activities of TCs, WGs and other bodies established by the General Assembly.*
- 2. To monitor, in conjunction with the Treasurer, the financial aspects of TCs, SGs and their WGs and to review their submitted budget requests.*
- 3. To receive requests for events from TC/SG Chairmen et al, and to a) notify planned events, b) approve IFIP technical sponsorship, and c) approve IFIP financial support in accordance with the authority and within limits set from time to time by the General Assembly.*
- 4. To consolidate, maintain and submit to the General Assembly appropriate reports on events, including the IFIP Plan Report*
- 5. To develop and implement adequate procedures for monitoring events, processing requests and delivering reports as defined in policies, adopted by the General Assembly.*
- 6. To propose formulations of new policies, or amendments to existing policies, for activity management considered appropriate to strengthen the overall aims of IFIP.*
- 7. To submit requests for proposed budget items and to report the use of approved budget items for which approval authority has been assigned to AMB.*

Mr. Melbye thanked Mr. Falster for the extensive work he had undertaken in respect of the Event Database and IFIP Plan Report. General Assembly APPLAUDED.

11. REGIONAL ACTIVITIES IN EUROPE

Mr. Melbye referred to his report RAE-1 and confirmed that the legal constitution of CEPIS (The Council of European Professional Societies) had taken place on 26 April 1991 in Spain when 17 Founding Members from 14 European countries had unanimously approved the pro-posed Articles of Association and Constitution. The Founding Members included 14 IFIP Member Societies. Hungary and Poland were subsequently admitted and Membership Applications were expected from Portugal and Sweden.

He drew attention to the final Mission Statement of CEPIS:

"To provide a co-ordinated voice that is able to represent the views of European informatics professionals on major issues to European Institutions, both by invitation and at the initiative of CEPIS."

The legal seat of CEPIS would be decided upon during its Seventh Meeting on 22 October 1991 in Germany.

The Membership Dues for 1991 ranged from approximately CHF 2,500 to CHF 11,300 (depending on the U.N. Scale of Classification) - basically, in the same range as those for IFIP. The 1991 budget for Secretariat expenses had been approved in the amount of CHF 90,000. The activity, organized by four Task Forces, of which the most active one dealt with 'Professional Issues', was substantially funded by the European Commission. The activity budget was in the region of CHF 140,000.

In respect of relations with IFIP, the Task Force on 'Social Issues' had expressed its desire to cooperate with TC 9. Mr. Brunnstein said he had close contact with the TF Chairman, Mr. Schauer, who had sent a representative to the last TC 9 meeting. TC 9 would be co-sponsoring one of its events dedicated to "Disability" and assist with the preparations.

The President thanked Mr. Melbye for his informative report and underlined the importance of IFIP working closely with CEPIS on mutual interests.

Mr. Goldsworthy ventured that the Mission Statement of IFIP should, henceforth, appear everywhere - in the Bulletin, "What is IFIP?", etc. (Refer to Annexe IV to these Minutes).

ACTION

12. TECHNICAL COMMITTEES / SPECIALIST GROUP

N.B. - Kindly also refer to Agenda item 9 - Technical Assembly

12.1 TC 2 (Software: Theory and Practice)

Mr. Poole referred to his Annual Report 90/91 and advised that the 39th TC 2 Meeting had taken place on the Gold Coast, Queensland, Australia, 24-25 June 1991. That meeting had been followed by a two-day seminar presented by WG Chairmen on the activities of their respective Working Groups.

Mr. Poole said he had been re-elected TC 2 Chairman for a further three-year term; Mr. Kurki-Suonio/Finland had been appointed as Vice-Chairman.

He reported on the State-of-the-Art Seminars: WG2.1 - Brazil, January 1992 (which would be completely funded from Brazilian sources); WG 2.2 - India, February 1992 (Seminar Speakers would pay their own travel expenses and India would underwrite the local expenses) and the possibility of WG 2.3 - Thailand, late in 1992.

Mr. Poole advised that all the Working Groups were functioning well. A series of Working Conferences had been planned right through to 1993.

12.2 TC3 (Education)

Mr. Bollerslev/Denmark referred to his Annual Report 90/91 and said he had taken over as TC 3 Chairman as from 1 January 1991. Mrs. de Caluwe/Belgium and Mr. Aiken/ U.S.A. had been appointed Vice-Chairmen and Mr. Samways/U.K. as Secretary. Messrs. Cornu/France and Maurer/Austria had been respectively appointed as Vice-Chairmen of WG 3.1 and WG 3.6.

"WCCE '90', Sydney, Australia, July 1991, with associated mini-Conferences in Auckland, Cairns and Tokyo, had been very successful - attended by approximately 2,400 delegates from 57 countries. Elsevier/N-H had published a 1,200-page Proceedings. A surplus had been made for IFIP of around CHF 40,000. "WCCE'95" would be held in Birmingham, U.K., 24-28 July 1995 and the preparations were well underway.

Mr. Bollerslev remarked that the Australians in the "WCCE'90" OC had produced a 70-page report and thought it would be of great help to organizers of similar Conferences in the future. He placed on record TC 3's congratulations to Mrs. Wills, Mr. Hughes and all members of the OC and PC who had worked so very hard to ensure the success of "WCCE'90".

He gave a briefing on the various TC 3 and WG activities, as outlined in the Annual Report and drew attention to the development by WG 3.1 of a series of booklets on "Codes of Good Practice". Contact had been made with Unesco to investigate their interest in co-operating on the project

Mr. Bollerslev mentioned that TC 3 was anxious to get involved in the International Olympiads in Informatics and a proposal had been sent to the Unesco representative in IOI.

WG 3.2 was planning to hold a Seminar, in conjunction with the January 1993 TC 3 meeting, where the "Modular Curriculum for Informatics" could be given an update. Co-operation from Unesco had been requested.

Mr. Bollerslev advised that he had been invited by Unesco to a Seminar in Togo in December 1990 - "Informafrica". Unesco had presented the idea that each school should be allowed to have a computer.

He announced that he would represent TC 3 at "SEARCC '91" in Bali in December.

TC 3 would probably establish its own Newsletter. Mr. Rolstadas urged TCs to circulate their Newsletters to Technical Assembly members and TC Chairmen.

ACTION

The next TC 3 meeting was planned for 5-6 September 1992 in Madrid; the following for January 1993 in Mexico.

12.3 TC 5 (Computer Applications in Technology)

Cognizant Officer Dolan drew attention to the Annual Report 90/91 of the Chairman, Mr. Tomljanovich.

A TC 5 meeting would be held just after GA in Bordeaux, France and the sixth WG Chairmen's meeting was planned for the end of January 1992 in Rome.

TC 5 now had two Vice-Chairmen: Mr. Kochan/Germany covering Europe and Mr. Mikami/Japan covering the East. A third Vice-Chairman to cover the West was still needed.

Mr. Dolan stated that Mr. Tomljanovich was concerned about the TC 5 membership and was waiting for the substitution of expelled non-active members: Belgium, Greece and Portugal. Canada, Poland and U.S.S.R. had promised to nominate members. The respective GA Members were called upon to accelerate nominations to TC 5.

ACTION

TC 5 and its Working Groups had organized 13 events since August 1990. 36 future events were in the planning pipeline of which eight were scheduled to take place in developing countries.

In an effort to contribute to the IFIP World Congress - C 94, TC 5 had decided to hold its main Conference "CAPE '94" in Hamburg during the prior week with the theme of 'Industry and the Environment'.

Mr. Dolan reported that since the last TC 5 report, ten Conference proceedings had been published of which seven were by Elsevier/N-H.

Attention was drawn to the Call for Members for the provisionally approved WG 5.11 on "Technology for the Environment". (Kindly refer to the TC 5 Annual Report 90/91)

12.4 TC 6 (Data Communications)

Mr. Uhlig drew attention to the new name of TC 6 - "Communciation Systems" which had been approved by GA under Agenda item 9 (TA). He underlined that it better reflected the much broader focus of the Committee's current work.

He referred to his Annual Report 90/91 and mentioned that the 36th TC 6 meeting had taken place in Hammamet, Tunisia, 24-25 May 1991 despite the repercussions of the Gulf War.

TC 6 was pleased to welcome its first representative from China, thus bringing the membership up to 30. The status of the former member from GDR had been changed to Observer.

TC 6 currently had four active Working Groups and, as mentioned in TA, new activities were being explored in the areas of 'Broadband Communication', 'Performance Evaluation', 'Wireless Communciation' and 'Intelligent Networks'.

Mr. Uhlig pointed out the excellent reports of the WG Chairmen for 6.1,6.5 and 6.6 attached to his Annual Report and encouraged everyone to read them. They could be of value to potential new IFIP Members (all categories) who might wish to be involved in the activities of TC 6.

ACTION

WG 6.1, under the excellent Chairmanship of Mr. Rudin/Switzerland, had established a good record of producing steady financial surpluses for IFIP from its activities.

The revitalized WG 6.4, under the Chairmanship of Mr. Cabanel/France, had held a very successful Workshop in Berlin, March 1991 on "High Speed Local Area Newtworks". Mr. Uhlig advised that the resulting Proceedings were one of the best he had seen and they were being used as 'reference' material.

WG 6.5, under the new Chairmanship of Mr. Stefferud/U.S.A., had expressed interest in starting a Journal entitled "International Journal on MHS Application Layer Protocols" to which TC 6 had no objections, in principle. The Working Group had sponsored the

CSCW Conference on "Computer Supported Co-operative Work" in Berlin, April 1991, but it remained to be seen if the collaboration would continue as not so much interest had been expressed by CSCW.

WG 6.6, Co-Chaired by Mesdames Kappel and Westcott of U.S.A., was concentrating on three major areas: 'User Requirements for Network Management', 'Management Domains' and 'Application of AI to Network Management'. The WG's 2nd International Symposium on "Integrated Network Management", Virginia, U.S.A., April 1991 had been very successful and a surplus of approximately CHF 15,000 had been turned over to IFIP.

Despite the Gulf War, around 250 people from some 30 countries had participated in the joint TC6/ICCC Conference "AFRICOM '91/CCDC '91 (Computer Communications for DCs)" which had taken place in Tunis, May 1991. It had received very high support from the Tunisian Government thus resulting in a major visibility for IFIP and ICCC.

Mr. Uhlig informed that both himself and the TC 6 member for Sweden, Mr. Khakhar, would be speaking at two Seminars in Zimbabwe adjacent to the General Assembly.

In concluding his report, Mr. Uhlig said he was now drawing to the end of his second term as TC 6 Chairman and his successor - to be elected at the upcoming TC 6 meeting - would take over from 1 January 1992. He expressed his sincere thanks for the direction, assistance and help he had received from everyone during the past six years. The experience had been most stimulating and rewarding. He would still remain as the U.S.A. representative to TC 6 and looked forward to his new role in IFIP as C 94 PC Chairman.

The President conveyed the appreciative thanks of IFIP to Mr. Uhlig for his hard work and highly successful Chairmanship. General Assembly APPLAUDED.

12.5 TC 7 (System Modelling and Optimization)

Mr. Thoft-Christensen referred to his Annual report 90/91 and advised that TC 7 had just had a one-day meeting in Zurich on 2 September in conjunction with the 15th TC 7 Conference. In order to attend the Harare meetings, he had only participated in the Opening Session of the Conference. The number of Conference registrants was in the region of 350.

The 16th Conference would be held in Compiègne, France from 30 August to 3 September 1993 under the Chairmanship of J. Henry, INRIA.

It was hoped to hold the 17th/1995 Conference in a developing country, but TC 7 currently had no members from DCs. Mr. Thoft-Christensen called upon the GA representatives from DCs to try and nominate people to TC 7.

ACTION

The TC 7 meeting had been well attended - as was the case when held at the time of the TC 7 Conference. The 'in-between years' attracted smaller numbers.

Mr. Thoft-Christensen gave a briefing on the Working Groups and their activities as outlined in his Annual Report and confirmed that there were no serious problems. For the first time in the history of TC 7, every WG Chairman had submitted a report.

As Cognizant Officer, Mr. Bauknecht said he had attended the TC 7 meeting and Conference in Zurich. He had been impressed by the participants - a mixture of young, bright scientists and older, experienced scientists. There had been a certain amount of sponsorship and the Swiss Federation had given financial support. Nevertheless, the people involved had come from countries where there was not much money so TC 7 could not raise a surplus for IFIP. Notwithstanding, the name of IFIP was brought back.

to their countries. Mr. Bauknecht therefore, proposed and supported that TC 7 continue with that policy. Naturally, if in some cases there would be a surplus, then IFIP would be happy.

Mr. Rolstadas wished to compliment TC 7 on its success. Three years ago, it was dis-integrating. He felt Mr. Thoft-Christensen had brought the TC back into IFIP. The financial aspect was slightly disappointing and TC 7 would not be able to build up a Fund; IFIP would continue to finance the TC.

TC7 was anxious to know if it could continue to publish its Proceedings via Springer or elsewhere. Mr. Verrijn-Stuart, Publications Committee Chairman confirmed he would be happy to talk the matter through with Mr. Thoft-Christensen.

The President expressed his appreciation to Mr. Thoft-Christensen for being in attendance. Heretofore, the TC 7 meetings had always taken place in parallel with GA and Council. He felt TC 7 was one of the most theoretically-oriented TCs and IFIP was proud of same and would continue to give its support

12.6 TC 8 (Information Systems)

Mr. Davis referred to his Annual Report 90/91 and said TC 8 had met in Vienna, 9-10 June 1991. The TC met annually and the 1992 meeting would take place in Madrid just prior to C 92. The TC meetings covered normal administrative matters plus group building activities and long-range planning. The Group building activity consisted of three National representatives describing their research and professional interests followed by a round-table type of discussion.

Mr. Kendall/U.S.A. had taken over the Chairmanship of WG 8.2; Mr. Lyytinen/Finland had been appointed Vice-Chairman and Mr. Baskerville/U.S.A. as Secretary. Mrs. Vari had been reappointed as WG 8.3 Secretary.

Mr. Davis gave a briefing on the Working Groups and activities, as outlined in his Annual Report, and drew attention to the good geographical distribution of events - Finland, U.K., Canada, U.S.A., Egypt, France, etc.

TC 8 was organizing a sub-Conference at Congress 92 entitled "Enhancing the Intelligence in Information Systems". Mr. Davis said one of his objectives was to increase participation in TC 8 activities from the U.S.A. and, during the 15 months he had spent in Singapore, he had also attempted to increase participation from that part of the world.

He very much appreciated the TC 8 Newsletter produced by Mr. Verrijn-Stuart as it was an excellent vehicle to keep people informed.

In respect of long-range planning, which was a difficult task, TC 8 worked very hard to identify where it should put its efforts.

TC 8 would welcome an alliance with other TCs - it would like to do something in the field of University Curricula; thus, an alliance with TC 3 would be necessary.

Alliance was also sought with some outside organizations which had been formed since the inception of IFIP. Mr. Verrijn-Stuart had been charged to make the initial contacts.

In concluding his report, Mr. Davis stated his appreciation of the TC Fund which he considered was a very good idea.

12.7 TC 9 (Relationship between Computers and Society)

Mr. Brunnstein referred to his GA report and advised that TC 9 had met in Finland, 29-30 June 1991. Its next annual meeting would be held in Madrid, just prior to Congress 92.

WG 9.2 had new Officers: Mr. Berleur/Belgium - Chairman, Mr. Holvast/NL - Vice-Chairman and Mrs. Whitehouse/U.K. - Secretary. WG9.4 had a new Vice-Chairman and Secretary, namely Mrs. Odedra/Kenya and Mr. Korpela/Finland.

Mr. Brunnstein gave a briefing on the WG activities: WG 9.1 had held a successful international Conference on "Human Jobs and Computer Interfaces" in Finland, June 1991 with 150 participants from some 20 countries.

WG 9.2 had arranged its first summer school in England, July 1991 on "Social Citizen-ship in the Information Age". It would try to produce the Papers as Lecture Notes which would be useful for teaching purposes.

WG 9.3 was preparing its 2nd Conference on "Home Oriated Informatics and Tele-matics" in the Netherlands, November 1991. A booklet had been prepared on the results of the 1st Conference which would be published in 1992.

WG 9.4 devoted to "Social Implications of Computers in Developing Countries" now had 49 members from about 20 countries. Activities were being undertaken to broaden the participation from Africa and to obtain members from Latin America. Prior to GA, a Workshop had been held in India followed by a summer school. Mr. Okado advised that a three-day Conference would take place in Nairobi in March 1992 and a campaign had been launched to obtain funding. It was aimed to organize some Tutorials before the event and interest had been expressed by people from Japan, Australia and Europe to give lectures. It was hoped that the event overall would attract around 80 participants.

WG 9.5's development had suffered for a while as the Chairman, Mr. Millin/Israel, had not been able to communicate due to the Gulf War. However, the WG was now actively preparing for its 2nd "ORAIS" Conference in London in 1993 (plans to hold same in Hungary had fallen through).

WG 9.6 "Computer Security Law" had had a promising start with excellent contribution from both TC 9 and 11 in two closely-arranged meetings. However, in view of the re-establishment of WG 11.7 "Legislation", the Aims and Scope of WG 9.6 had to be analyzed before final approval in order to avoid overlap between the two Working Groups.

As mentioned in TA, TC 9 would be co-operating with the British and Austrian Computer Societies in the field of "Computers and Disability".

TC 9 would analyze the area of "Computers and Culture" in order to make a presentation at C'94 in Hamburg.

In respect of the IFIP Code of Ethics project, TC 9 had charged the WG 9.2 Vice-Chair-man, Mr. Holvast, to prepare a booklet containing relevant Codes of Ethics (e.g. ACM, BCS) together with the IFIP Draft for presentation and discussion during a special Session at C'92 chaired by the IFIP President.

12.8 TC 10 (Computer Systems Technology)

Mr. Reijns referred to his Annual Report 90/91 and mentioned that TC 10 had been very active during the reporting period.

In respect of future events, the WG 10.3 "CONPAR'92" Conference would take place in Lyon, France the week prior to IFIP C'92 and the WG 10.4 WC on "Dependable Computing for Critical Applications" in Palermo, Italy the week afterwards.

Mr. Reijns drew attention to the new Working Group - WG 10.6 on "Neural Computer Systems" which had just been approved by the Technical Assembly. TC 10 had persuaded about 15 leading people in the field that it was necessary for a world-wide organization, such as IFIP, to be taking care of the issue. As a result, a small Workshop would be organized in Munich on 15 October 1991. At that meeting, an activity plan for Work-shops and Conferences would be drawn up; a Chairman and Secretary would also be elected.

Mr. Reijns indicated that the TC 10 Secretary had been following up with non-active members and the respective Member Societies.

He announced with sadness the death of Prof. S. Michaelson from the University of Edinburgh who had been the initiator of WG 10.5 and extremely active in IFIP.

Mr. Reijns said he had written three times to the GA representative for Argentina with suggestions for a course to be held in South America. He, very disappointedly, had received no reply.

He gave a briefing on the Working Groups and their activities as outlined in the Annual Report and mentioned that Mr. Camposano/U.S.A. would succeed Mr. Darringer as the WG 10.2 Chairman effective November 1991.

12.9 TC 11 (Security and Protection)

Mr. Caelli addressed his Annual Report 90/91. At the last annual meeting of TC 11 in Brighton, U.K., May 1991, an effort had been made to rekindle interest in TC 11 and the enthusiasm had run very high.

At that meeting, he had been re-elected Chairman for a further three-year term; likewise, Mr. Ware as Vice-Chairman. Additionally, Mr. Beatson had been appointed by TC 11 as "Working Group Coordinator" with the particular Charter of overseeing the development of the Working Groups.

The IFIP/Sec'91 Conference in Brighton had attracted around 300 attendees. He was happy to announce that a surplus would be forthcoming to IFIP in the region of CHF 17,000.

Details of various name changes for the Working Groups are to be found under Agenda item 9 (TA).

An innovation of WG 11.3 on 'Database Security' had been the establishment of a 'Research Question List' for consideration by all members and at the WG Conferences.

Mr. Caelli drew attention to the newly-approved Working Group by TA - WG 11.8 on "Information Security Education" which would attempt to upgrade the knowledge of people in information security. Very few universities, etc. had courses devoted to that subject

TC 11 had decided to work closer with Elsevier/N-H and the "Computers & Security" Journal. TC 11 members and its Working Groups were also taking a prominent part in the "Journal of Computer Security" published by the IOS Press.

12.10 TC 12 (Artificial Intelligence)

Mr. Tienari, Cognizant Officer, presented the apologies of Mr. Meersman, TC 12 Chair-man, for not being able to attend the Harare meetings which had coincided with a large Conference in Barcelona where he was a Speaker.

He presented the Minutes of the first TC 12 meeting which had taken place in Bruges, Belgium on 31 May and 1 June 1991.

Mr. G. Barth/Germany had accepted Mr. Meersman's invitation to take over the role of TC 12 Secretary.

TC 12 was working in a difficult field as there were several competing organizations and well-established groups.

Mr. Tienari stated that, in accordance with a TA decision, he would contact Mr. Meersman to submit definite Aims and Scopes for TC 12, WG's 12.1, 12.2 and 12.4; to initiate the appointment of a Vice-Chairman and to define a plan of events for the upcoming years - which information would be required by TA in Trondheim.

ACTION

TA had approved the name change of WG 12.3 from "Problem Solving" to "Reasoning Techniques" and its Acting Chairman had been succeeded by a permanent Chairman, Mr. Shi Zhongzhi/China.

TC 12 was contemplating the creation of a new Working Group -12.5 on "Knowledge Based Systems (KBS)" to study and promote the use of AI techniques in developing KBS and applications. The Spanish representative to TC 12, Mr. Cuena, was interested in organizing a WC on the subject at the time of Congress '92.

In order that the Scientific Advisory Group (SAG) of TC 12 could hold meetings apart from TC 12, Mr. Sandewall/Sweden had been formally appointed as Convenor of SAG. Membership of SAG would be subject to the formal approval of TC 12.

The next meeting of TC 12 would most likely be held in June 1992 in the northern part of the U.S.A.

12.11 TC 13 (Human-Computer Interaction)

Mr. Dolan, Cognizant Officer, presented the apologies of Mr. Shackel, TC 13 Chairman, for being unable to attend the Harare meetings.

He stated that TC 13 was a young Committee, but active and making a slow, yet steady, start.

Attention was drawn to Mr. Shackel's Annual Report 90/91. Officers had been appointed to its WG 13.1: Chairman - Mr. Gorny/Germany, Vice-Chairmen - Mrs. Preece/U.K. and Mr. Van der Veer/NL, Secretary - Mr. Hewett/U.S.A.

The principal activity during the reporting period was the Third Triennial Conference on "Human-Computer Interaction - INTERACT '90" which had been very successful with an attendance of 572 from 29 countries. The Proceedings (1,078 pages) had been published in hard cover at the time of the event. A modest financial surplus for IFIP had been achieved.

"INTERACT '93" would be held in the Netherlands jointly with the ACM "SIGCHI'93" under the title "INTERCHI'93". Mr. Dolan indicated that TC 13 would welcome further members and urged the GA Members of those countries not already represented to look into the matter.

ACTION

A TC 13 meeting was actually taking place in Germany the last day of GA - namely, 6 September 1991.

12.12 SG14 (Foundations of Computer Science)

Mr. Gruska referred to his Annual Report 90/91 and to his report to the General Assembly. SG 14 had held its second meeting in Hamburg on 16 February 1991.

WG 14.1 on "Continuous Algorithms and Complexity" (provisionally approved by TA) had held its first meeting and WC in Germany, mid-April 1991. 36 participants had attended from seven countries. Messrs. Traub and Werschulz of the U.S.A. had been elected respectively Chairman and Secretary of WG 14.1.

TA had also provisionally approved WG 14.2 on "Description Complexity", which was in the process of forming membership and plans for activities, and WG 14.3 on "Foundations of System Specifications".

Concerning SG activities, Mr. Gruska said it would be sponsoring "LATIN'92", Sao Paolo, 10-14 April - the first of planned annual meetings on theoretical computer science to be held in South America. SG was also considering the sponsorship of annual meetings on the topic in Asia for which it had been approached by scientists from Japan - "ISAAC'92", Naoya, Japan, 16-18 December. "ISAAC'93" would be in Hong Kong and "ISAAC'94" most probably in China.

The President encouraged SG 14 in its progress.

13. COMMITTEE REPORTS

13.1 Amissions Committee

Mr. Ozeki referred to his report AC 1/2,2/2.

Andorra: CNIA (Centre Nacional d'Informatica d'Andorra) had applied for Full Membership. However, AC felt Corresponding Membership would be more appropriate. Following clarification of the status of CNIA by Mr. Alvarez together with the support of Mr. Bollerslev, TC 3 Chairman - with which Committee CNIA was anxious to collaborate,

General Assembly ACCEPTED CNIA, Andorra as a Full Member (17 in favour, 2 objections and 3 abstentions).

Malaysia: MNCC (Malaysian National Computer Confederation) - one of the founding members of SEARCC - had applied for Full Membership which AC fully supported.

General Assembly unanimously ACCEPTED MNCC, Malaysia as a Full Member.

ARCC: ARCC (African Regional Computer Confederation) - comprising Kenya, Malawi, Zambia and Zimbabwe - had applied for Full Membership.

Mr. Kaela, Chairman of ARCC, addressed the General Assembly and gave an outline of the history, aims and objectives of ARCC. Messrs. Fairall/Zimbabwe, Guy/South Africa and Balasubrahmanian/India fully supported the application.

General Assembly unanimously ACCEPTED ARCC as a Full Member.

Mr. Kaela expressed his appreciation and General Assembly APPLAUDED.

Hong Kong: Mr. Ozeki recalled that Hong Kong had earlier applied for Full Membership, but had been rejected because it was a region, not a country. Secretary Fourot had contacted ICSU for guidance on the matter; but Hong Kong was not a member of that organization. However, being a member of a Regional Member, it could now be considered for the newly-created 'Associate Membership'.

U.S.A.: Mr. Ozeki recalled that AFIPS had been dissolved and its successor FOCUS (Federation on Computing in the United States) had been formed by IEEE and ACM. (Kindly refer to C1 Barcelona 91 Council Minutes, Agenda item 4.4)

General Assembly ACCEPTED by acclamation the continuation of the U.S.A. Full Membership under FOCUS.

The Membership Dues for Andorra, Malaysia and ARCC were set at CHF 2,500 for 1992.

13.2 CONGRESS GUIDELINES COMMITTEE

Mr. Alvarez presented his report CGC-1 and advised that the Committee had met during the course of the week.

CGC recommended that the subsection 6.1.4 be rewritten as follows:

6.1.4 Guarantees against Loans

A policy to cover unexpected Congress cancellation or exceptional low attendance due to factors beyond the OC control should be written. This includes loss caused by 'force majeure', e.g. unforeseen external factors such as war conflicts, general strikes, epidemics or catastrophes of nature. Insurance conditions differing widely from one country to another, all efforts should be made to obtain as wide a coverage as possible, still maintaining a reasonable premium (say, no more than 3% of the insured amount).

General Assembly APPROVED the recommendation, with one abstention.

Mr. Alvarez advised that, following suggestions from different GA Members, CGC wished to recommend the addition in subsection 6.1.15 'Surplus Return to IFIP and National Member Societies' of the paragraph:

IFIP must be guaranteed a minimum of CHF 30,000. The actual guaranteed amount agreed for a specific Congress will be written in the Contract between the Organizing Society and IFIP.

Mr. Bauknecht proposed that the minimum figure be CHF 40,000.

General Assembly APPROVED, with one abstention, the recommendation with the figure CHF 40,000.

Mr. Alvarez again underlined that copies of the Guidelines, in full or by Chapters, either in printed form or in magnetic support, could be obtained direct from himself.

ACTION

133 Developing Countries Support Committee

Mr. Balasubrahmanian referred to his report DCSC/GA Harare and advised that DCSC had met earlier that week.

In respect of Regional activities, he underlined that DCSC was making efforts to ensure that an IFIP keynote Speaker or dignitary would be present at major events - for example, the President had attended SEARCC91.

A letter had been sent to DC representatives and TC Chairmen in an attempt to co-ordinate events in DCs.

Mr. Balasubrahmanian gave a briefing on the proposed 'Visiting Lecturers Scheme' and 'Book Bank', as outlined in his report.

In respect of Congress '92, TC 3 was organizing an Education stream which would be of particular interest to DCs and it was hoped that support from Unesco would enable their participation.

The Congress '94 PC Chairman, Mr. Uhlig, had called for suggestions for topics of contemporary relevance for DCs. DCSC felt such topics could relate to: cost and value trade-offs in informatics, training of trainers in informatics and national policy considerations in promoting informatics in DCs.

Mr. Balasubrahmanian considered that DCs which had bilateral support programmes with other countries could probably identify resource support through the relevant IFIP National Societies.

He presented the DCSC 1992 Budget which included a grant of CHF 1,500 for a WG 9.4 Conference on "Social Implications of Computers in DCs" scheduled for the first semester of 1992 in Kenya.

The President called upon all concerned parties to give their fullest support in order to implement the objectives of DCSC.

ACTION

13.4 Finance Committee

Mr. Bauknecht advised that the Finance Committee had met prior to GA and had noted with great satisfaction the work carried out by Treasurer Melbye. IFIP had reached 'transparency' in its finances which allowed everybody to find the appropriate layer of information needed.

FC had discussed an 'action' point from the last Council Meeting - the possibility of allowing certain countries to pay their Dues in another way than by hard currency. Payment by means of tobacco had been proposed. However, in the final analysis, FC foresaw no solution other than hard currency.

After a long deliberation, FC decided to propose to the General Assembly:

to include the Activity Development Fund and the Contingency Fund into the General Fund

to be aware of the DCSC support account which was, in addition to the DC Fund, another source available for further activities in the DCs.

General Assembly unanimously ACCEPTED the proposal.

Mr. Bauknecht referred to the outstanding loan balance of the Irish Computer Society in respect of Congress 86. CHF 10,000 had been paid back during the last two months, thus leaving an amount due of CHF 39,403. He recommended that no action be taken, but just await further repayment

Mr. Morris considered that, five years having elapsed since the Congress, ICS was still in a very difficult situation. It had done its best to return part of the loan and the outstanding balance was a very substantial burden. IFIP had written off other loans in the past, agreed - considerably smaller; nevertheless, he felt it would be an honorable gesture and so moved.

Mr. Dolan found the situation awkward and embarrassing, yet welcomed the proposal of Mr. Morris. If ICS did not have to repay the loan balance, it could put some money into other IFIP activities.

The motion was NOT CARRIED by General Assembly (8 in favour, 8 objections and 5 abstentions).

Mr. Bauknecht drew attention to document FC-4 - the Treasurer's recommendation to FC on Dues Outstanding (in view of the fact that he felt stronger pressures should be exercised to obtain the settlement of Dues): Full Members being more than one year in arrears with the payment of Dues shall have their voting rights suspended; Members being more than two years in arrears shall have their Membership suspended unless GA decides otherwise. A Member is considered being more than one year in arrears if Dues are not paid before the end of the year to which the Dues relate.

Following a lengthy discussion during which the unfavourable consequences of such a decision were evoked (e.g. if a Member lost its voting right which had a representative on the Council or a TC Officer) and counter-suggestions were proposed (e.g. applying an interest charge), the President proposed that the issue be reconsidered by FC in conjunction with SBC.

ACTION

Mr. Bauknecht referred to document FC-5 - the Treasurer's recommendation to FC on the Portfolio Investment and said FC had thoroughly discussed same:

The Mandate shall be changed from an international to a CHF-based Portfolio.

The Mandate shall include a preference for an even spread on short term securities (up to 5 years maturity) as well as for keeping the securities until they mature.

A statement could be prepared on anticipated additions and withdrawals to and from the Portfolio during the next fiscal year after each GA Meeting, if any changes are foreseen.

A target date, e.g. the end of 1991, when the changed Mandate is assumed to have been implemented, shall be set.

Mr. Goldsworthy strongly favoured the recommendation.

General Assembly APPROVED the recommendation, with one abstention.

In respect of Congress 92, Mr. Bauknecht advised that, at the present time, FC was of the opinion that only CHF 30,000 could be considered as 'safe' income for IFIP.

He remarked that FC considered the actual overall financial position of IFIP as good and reasonably stable.

Mr. Bauknecht presented document F-7 - the Treasurer's recommendation to FC on Standing Orders, Section 3: Finances. With a few minor changes, FC requested approval of same.

General Assembly unanimously APPROVED document F-7 with the amendments * which would be handed over to SBC.

* (3.4: second line - replace 'when claims are received' by 'when incurred'.

3.5: third para - last line, last word - replace 'President' by 'FC Chairman')

The President expressed his appreciation of the very thorough work undertaken by FC and the Treasurer.

13.5 IFIP Committee for International Liaison (ICIL)

The President advised the General Assembly that ICIL had been discussed at the Executive Board Meeting in Barcelona, March 1991. It had come to the conclusion that it would be preferable to dissolve same. If a similar entity should again be required in the future, there would be no problem in establishing something.

13.6 IFIP-Unesco Liaison

Mr. Morris drew attention to the report of Mr. Fourot - IULC-1 outlining five events which had received Unesco support during 1990 and 1991. Three events in 1992 and 1993 would, in principle, receive Unesco support, but the funding remained to be authorized at its General Conference in November 1991.

In respect of the Intergovernmental Informatics Programme (IIP), the President recalled that the IIP Secretariat was interested in IFIP appointing two to three experts who would be available to assist in the evaluation of projects. He proposed the selection of the following experts who could suggest others in order that a list could be compiled.

Mr. Bollerslev Project: Training specialists, teachers and decision makers

Mr. Bauknecht Project: Software production, particularly for the education system.

Mr. Balasubrahmanian Project: Informatics Development Strategies.

The President finally proposed that the three experts form themselves into a Committee

ACTION

and contact TC Chairmen in respect of the other two Projects: Data Bases and Information Exchange Networks; Research and Development (A.I., expert systems, architecture, pattern recognition, etc.). The Committee was requested to kindly, including themselves, find three experts for each of the five projects and to send a list of the names to Mr. Fourot who would hand same over to Unesco with any necessary supportive material.

AmnM

13.7 Internal Awards Committee

Mr. Morris presented the report of Mr. Fourot - IAC-1. A letter had been sent to the TC Chairmen on 29 March 1991 seeking nominations for the Outstanding Service Award. TC 3 was the only Committee which had submitted nominations in advance. During the course of the Harare meetings, TC 8 had submitted a nomination.

General Assembly was recommended to approve the following nominations for the OSA:

Jan WIBE, Norway	WG 3.1, 3.6
David TINSLEY, U.K.	WG 3.1
Eugenia SENDOVA, Bulgaria	WG 3.5
Penti KEROLA, Finland	TC 8, WG 8.1, 8.4

General Assembly unanimously APPROVED and APPLAUDED the nominations.

The OSA Certificates were duly handed over to the respective TC Chairmen for onward presentation to the recipients.

13.8 Marketing Committee

Mr. Finch referred to his report MC-1 and to the MC meeting which had taken place just prior to GA.

He drew attention to the series of TC 'snapshots' which would be featured in the Newsletter (TC 6 had just appeared). In respect of TC 3, Elsevier/N-H would print 1,000 copies - 500 would be given to the TC 3 Secretary and 500 to the IFIP Secretariat for pro-motional purposes, etc.

"What is IFIP?" had been redrafted by MC member Khakhar and it had been suggested to include the IFIP Mission statement and a cover message "A worldwide organization providing a forum for the information age".

The IFIP storyboard would again be updated by the end of the year - thanks to Mr. Alvarez - and be available on diskette or overhead (if thus requested).

ACTION

DCSC had mentioned the need for a Roster of potential Speakers and Mr. Khakhar had drawn up a Lectureship Programme Form which had been distributed to all GA participants.

MC had been concerned with Member Services and had consequently felt it desirable to launch a 'Master Agreement for Joint Membership' whereby IFIP Members could have joint Membership with others under standard terms and conditions. MC would write a letter to the IFIP Member Society Presidents for their views and comments.

ACTION

Mr. Finch confirmed that Mr. Grant Boyd of Ottawa (former Canadian GA representative) had agreed to be the IFIP Press Officer. He was in the process of establishing a press release format and press contacts.

ACTION

MC had arranged with IFIP Congress 92 OC to have ties and scarves available; however, they would be - for the most part - on sale.

Discussion had again ensued in respect of an IFIP Pin for Silver Core Holders. MC would be looking into the matter in collaboration with IAC.

ACTION

13.8.1 IFIP Newsletter

Mr. Rosenfeld stated that IFIP was currently distributing up to 4,500 copies per issue -the regular mailing list to the order of 3,400 and, depending upon the requests of event organizers, at least up to another 1,000. Additional copies were also mailed out in response to enquiries concerning IFIP, etc.

The President thanked Mr. Rosenfeld for his excellent work which had greatly enhanced and increased the visibility of IFIP. General Assembly APPLAUDED.

13.9 Publications Committee

Mr. Verrijn-Stuart referred to his Annual report 90/91 and to his report to GA-PC-1.

He advised that under the new Master Agreement with IFIP's main publisher, Elsevier/N-H, from 1 January 1992 onwards, the old format of offering Conference Proceedings separately would be supplemented by a single 'serial' publication - "IFIP TRANS-ACTIONS" comprising all Proceedings of World Conferences and Conferences at TC and WG level - for an entire year on a subscription basis. The offer was especially directed to the library market. The full series (35 volumes in 1992) would be offered at 50% of the sum of individual volume prices. Alternatively, subsets would be offered at slightly lesser discounts.

The serial offering would be on top of the current book trade, where the full price would apply. However, individual IFIP Society Members could order, for their personal use, separate titles direct from the publisher at 50% of the list price.

ACTION

TCs and organizers of events would be duly provided with the special order forms.

Mrs. Smit of Elsevier/N-H gave a briefing on the reporting period during which her organization had published 35 IFIP Proceedings. She drew attention to the Royalties on 1990 sales of approximately CHF 165,000.

Mr. Verrijn-Stuart gave a briefing on the relations with Springer-Verlag, as outlined in his report, commented on the ICSU Press initiative, the issue of allowing free-access recording of bibliographic data from the 'Interact' Conferences and the need for PC to initiate a 'Journal Publications Policy'.

ACTION

The President moved that the PC report be endorsed which was unanimously AGREED by the General Assembly.

13.10 Statutes and Bylaws Committee

Mr. Morris presented the document of Mr. Bobillier - SBC-1 which required the approval of the General Assembly.

Quote

Following remarks and suggestions received from GA Members and the Executive Board, the Statutes and Bylaws Committee proposes the following modifications to the General Assembly for approval.

They refer to the Edition of September 1990, as approved by the GA in its Buenos Aires Meeting, September 1990:

Statutes 3.1d (p.2): after the paragraph d) Honorary Members add:

"Each Past President will be considered for admission as Honorary Member when he ceases to be the representative of a Full Member at General Assembly."

Statutes 3.3 (p.2): the current numbering is ambiguous. It is proposed to add the numbering 3.3.1 and 3.3.2 as follows:

First line - 3.3.1 - the Membership of a Full Member shall be ...

Fifth line from the end - 3.3.2 - the Membership of an Affiliate or Corresponding Member shall be terminated.

Statutes 4.3.2 Authority (p.7): add the following paragraph after the current second one:

"The Executive Board may in exceptional circumstances conduct a ballot by mail."

Bylaws 4.5 Specialist Groups (p.21):

4.5.2 (lines 1 and 2): remove the words "like a Working Group" and add a new paragraph:

4.5.3 Working Group of a Specialist Group

A Working Group may be established by the Technical Assembly upon the submission by a Specialist Group of the proposed Scope of the Working Group. A WG consists of technical experts selected and assigned to work in a specified technical area. The Aims and Scope of an established Working Group shall be included in the IFIP Bulletin.

A Working Group may be dissolved or re-directed by the Technical Assembly upon consultation with, or recommendation of, its Specialist Group. The members of a Working Group are appointed by the Chairman of the corresponding Specialist Group with the approval of that Group."

Unquote

General Assembly unanimously APPROVED the document.

Mr. Morris advised that SBC was continuing its work on the revision of the Standing Orders. The final draft would be duly submitted to the Executive Board for approval, following which the IFIP Secretariat would distribute same to concerned parties and upon request. It was hoped to have them available after the 1992 Council Meeting.

14. AFFILIATE MEMBERS

Mr. Morris drew attention to the Annual Reports 90/91 of IASC, IMIA and VLDB Endowment. Nothing had been received from EUROMICRO, FACE nor IJCAIL.

ICCC was addressed by Mr. Uhlig who drew attention to the Annual Report 90/91. He highlighted the Asian Committee and the Committee on Developing Countries for which 'Terms of Reference' had been established.

Mr. Uhlig advised that ICCC wished to explore with IFIP whether it would be possible to share a small part of the IFIP Secretariat in Geneva against suitable remuneration.

15. REPORTS OF MEMBER SOCIETIES

Mr. Alvarez advised that 18 reports had been received. The report from the Danish Society was full of specific recommendations, mainly in the areas of ways for IFIP to deal with Member Societies and how to structure work within IFIP bodies themselves. GA Members were called upon to digest that report

ACTION

Another Member had underlined the necessity of IFIP dedicating more attention to the issue of 'Applications of Computers for Handicapped Persons'.

ACTION

16. FUTURE MEETINGS

The President recalled that the next Council and Related Meetings would take place in Trondheim, Norway from 2 - 6 March 1992. Mr. Rolstadas gave a welcome message to concerned parties and drew attention to literature on Trondheim which was at their disposition.

The 1992 General Assembly and Related Meetings would be held in Madrid immediately following the Congress.

The President kindly requested GA Members to issue invitations to host the 1993 Council and Related Meetings as well as the 1993 General Assembly and Related Meetings.

ACTION

17. OTHER GENERAL ASSEMBLY BUSINESS

17.1 K. Ando - Honorary Member

The President proposed that Mr. Ando, Past-President, be conferred the status of Honorary Member, which was seconded by Mr. Goldsworthy.

General Assembly ELECTED Mr. Ando as Honorary Member by acclamation.

17.2 Reverse Engineering in IT

TC 9, supported by TCs 2 and 11, had submitted a Resolution to be adopted by IFIP on Reverse Engineering in Information Technology.

A long, controversial discussion took place, during which the context of the Resolution was criticized together with the problem faced by GA Members in voting on a political issue of which they had not received advance notice.

The President called upon the Chairmen of TCs 9,2 and 11 to form a Task Force, to take into consideration the deliberations of the General Assembly, and to present a modified suggestion to the Council Meeting in Trondheim.

ACTION

18. CLOSING OF THE MEETING

The President said he would like again to thank the Zimbabwe hosts and, in particular, Mr. Fairall and the local organizers for the excellent arrangements and gracious hospitality.

He also thanked the participants for their contributions.

The Meeting was declared closed.

* * *

TC 2 (SOFTWARE: THEORY AND PRACTICE)

AIM

To obtain a deeper understanding of programming concepts in order to improve the quality of software by studying all aspects of the software development process, both theoretical and practical.

SCOPE

The scope of the committee encompasses all aspects of the software development process including the specification, design, implementation and validation of software systems. Areas of present activity are:

- 1) formal models of software concepts
- 2) programming languages and techniques
- 3) models for information storage and processing
- 4) program support environments
- 5) user interfaces to software systems
- 6) software quality

WG2.2 (FORMAL DESCRIPTION OF PROGRAMMING-CONCEPTS)

AIM

The aim of the Working Group is to explicate programming concepts through the development, examination and comparison of various formal models of these concepts.

SCOPE

The Working Group will investigate formalisms and models which represent different approaches to formal specification of programming concepts. The models of concern must, at least in part:

- 1) apply to the actual computing milieu;
- 2) have sufficient generality to describe total systems or useful subsystems;
- 3) treat either:
 - i) problem specification
 - ii) solution specification'
- 4) provide practical guides towards derivation of:
 - capabilities,
 - equivalence,
 - implementability,
 - performance
 information bases. Knowledge representation formalisms and
- 5) assist in standards' developoment and specification;
- 6) have a pedagogical utility.

WG 2.3 (PROGRAMMING METHODOLOGY)

AIM

To increase programmers' ability to compose programs.

SCOPE

- 1) identification of sources of difficulties encountered in present-
- 2) the interdependence between the formulation of problems and the formulation of programs, and the mapping of relations existing in the world of problems into relations among programs and their components;
- 3) intellectual disciplines and problem-solving techniques which
- 4) the problem of achieving program reliability;
- 5) the consequences of requirements for program adaptability;
- 6) the problem of probability of program correctness and its influence on the structure of programs and on the process of their composition;
- 7) guidelines for partitioning large programming tasks and
- 8) software for mechanized assistance to program composition.

WG 2.4 (SYSTEM IMPLEMENTATION LANGUAGES)

AIM

To improve the evolution of ideas in the area of system implementation languages. In general, these languages are characterized by:

- intended application area (software development);
 - machine orientation (use as assembler replacements);
 - concern with the efficiency of the object program;
 - control (but not necessarily data or operation) features
- general purpose programming languages.

SCOPE

- 1) portability and its relation to machine dependence;
- 2) the conflict, if any, between the notions of 'higher-level' and 'machine-oriented';
- 3) the impact of programming methodology on language design;
- 4) the relation of language design to the problems of system maintenance and enhancement;
- 5) experience in the actual use of system implementation languages.

WG2.5 (NUMERICAL SOFTWARE)

AIM

To improve the quality of numerical computation by promoting the development and availability of sound numerical software.

SCOPE

- 1) the definition from a numerical standpoint of a set of hardware and software features for a computing system;
- 2) the development and improvement of programming languages for, numerical computation;
- 3) the establishment of guidelines for comparison of subroutines from different numerical program libraries;
- 4) the development of guidelines for documentation, testing, distribution and maintenance of numerical program libraries;
- 5) the exchange of information concerning numerical software and determination of the needs of computer users.

WG 2.6 (DATABASE)

AIM

To assess the different approaches to knowledge representation, their importance, their practical relevance, and their architectural requirements with respect to database systems.

SCOPE

Formalisms and architectures exist for expressing and capturing knowledge for the purpose of its representation and manipulation

their associated languages require formal semantically rich descriptions of all aspects of a knowledge-based system.

WG 2.7 (USER INTERFACE ENGINEERING)

AIM

To investigate the nature, concepts and construction of user interfaces for software systems, day programming; **SCOPE**

- 1) increase understanding of the development of user interfaces based on knowledge of system and user behaviour;
- 2) provide a framework for reasoning about interactive systems;
- 3) provide an engineering model for the development of user interfaces.

WG 2.8 (FUNCTIONAL PROGRAMMING)

AIM

To study the design, implementation, and use of functional (applicative) languages.

SCOPE

- 1) Semantic theories for functional languages;
- 2) specification and correctness for functional programs;
- 3) data and demand driven execution models;
 - 4) programming with higher-order functions;
- 5) functional approaches to input-output and persistent memory;
- 6) programming systems based on functional languages;
- 7) novel architectures for functional programming systems;
- 8) implementation based on combinator graph reduction;
- 9) multiple processor implementations;
 - 10) programming styles and techniques appropriate for functional use of languages;
- 11) applications and experience.

A N N E X E II

WG 5.11 (TECHNOLOGY FOR THE ENVIRONMENT)

AIMS

To investigate existing methods and applications of Computer Aided technologies to environmental engineering, to exchange ideas and information on current developments on the subject matter and to forward the issues raised through publications, conferences and other means.

SCOPE

The scope will be realized by focusing on important sub-areas that will be addressed through specialized TC 5 Working Conferences. The sub-areas include, but are not limited to:

- 1) mapping systems
- 2) national cultural and artistic patrimony protection
- 3) environment protection (air, water, land)
- 4) hazardous waste treatment
- 5) facilities design and management
- 6) public utilities networking.

WG 8.1 (DESIGN AND EVALUATION OF INFORMATION SYSTEMS)

SCOPE

The Scope of the Working Group is the planning, analysis, design and evaluation of information systems for organizations.

AIMS

The Aims of the Working Group are to:

- 1) identify concepts and develop theories relevant to the planning, analysis, design and evaluation of information systems;
- 2) develop languages, techniques, tools and methods for applying these concepts and theories to theories to the:
 - planning
 - requirements analysis and determination, and specification
 - design
 - evolutionof information systems, and their verification, validation and overall evaluation;
- 3) develop methodologies for the analysis, evaluation and selection of information systems development methods;
- 4) take cognizance of relevant work from associated fields - such as computer science, software engineering, knowledge engineering, cognitive science, management science, organization theory and systems theory - and apply the findings to the development of information systems.

WG10.6 (NEURAL COMPUTER SYSTEMS)

AIMS

- to promote the exchange of information in the area of innovative neural computer systems and structure;
- to explore problem areas and solutions in the development of neural computer systems.

SCOPE

- system and component concepts, and neural system architecture;
- specification and design of neural computer systems;
- study parallel systems that are well suited for neural computing;
- specification and design of VLSI building blocks for neural computer systems;
- design and implement algorithms for neurocomputing;
- to develop tools for the design of neural computing.

WG 11.1 (INFORMATION SECURITY MANAGEMENT)

AIM

As management, at any level, may be increasingly held answerable for the reliable and secure operation of the information systems and services in their respective organizations in the same manner as they are for financial aspects of the enterprise, the Working Group will promote all aspects related to the Management of Information Security.

These aspects cover the wide range, from the pure managerial aspects concerning Information Security, like upper management awareness and responsibility for establishing and maintaining the necessary policy documents, to more technical aspects like risk analysis, disaster recovery and other technical tools to support the Information Security management process.

SCOPE

- to study and promote methods to make senior business management aware of the value of information as a corporate asset, to realise the risks involved with this corporate asset, and to get their commitment to implementing and maintaining the necessary objectives and policies to protect these assets;
- to study and promote methods and ways to measure and assess the security level in a company and to convey these measures and assessments to management in an understandable way;
- to research and develop new ways to identify the Information Security threats and vulnerabilities which every organization must face;
- to research and identify the effect of new and changed facilities and functions in news hardware and software on the management of Information Security;
- to study and develop means and ways to help information security managers to assess their effectiveness and degree of control; to address the problem of standards for Information Security.
- to address the problem of standards for Information Security.

STATEMENT OF CASE

There is a growing trend for senior business management to be held answerable for the reliable and secure operation of their information systems, as they are for control of their financial aspects. Information Security is, and should always be a upper management responsibility.

Information security professionals, and WG 11.1 in particular, should therefore be responsible for the development of all types of tools, mechanisms and methods to support top management in

WG 11.8 (INFORMATION SECURITY EDUCATION)

AIM

To promote information security education and training at the university level and in government and industry.

SCOPE

- 1) To establish an international resource center for the exchange of information about education and training in information security.
- 2) To develop model courses in information security at the university level.
- 3) To encourage colleges and universities to include a suitable model course in information security at the graduate and/or undergraduate level in the disciplines of computer science, information systems and public service.
- 4) To develop information security modules that can be integrated into a business educational training program and/or introductory computer courses at the college or university level.
- 5) To promote an appropriate module about information security to colleges and universities, industry and government.
- 6) To collect, exchange and disseminate information relating to information security courses conducted by private organisations for industry.
- 7) To collect and periodically disseminate an annotated bibliography of information security books, feature articles, reports, and other educational media.
- 8) To liaise and co-operate with other interested Working Groups or Technical Committee of IFIP.

WG12.3 (REASONING TECHNIQUES)

AIM

To study and develop methods and techniques for knowledge based inference and problem solving.

SCOPE

- knowledge-based problem solving and search;
- reasoning on ill-defined domains;
- metalevel inferences
- cooperative distributed problem solving;
- reasoning with incomplete knowledge;
- generation of problem representations;
- constraint satisfaction;
- qualitative reasoning.

WG 13.1 (EDUCATION IN HCI AND HCI CURRICULA)

AIMS

The aims of the Working Group are as follows:

- to enhance international collaboration in disseminating knowledge about this rapidly developing and important subject,
- to improve HCI education at all levels of higher education,
- to coordinate and unite efforts to enhance the development of

HCI curricula,

materials and for their adaptation to the various national educational systems

- to advance international recognition of qualifications in this field and
- to promote the teaching of HCI.

SCOPE

The scope of the Working Group will build upon existing work in IFIP member countries to include:

- the evaluation of the needs of industry to enhance the qualifications in HCI, based upon societal objectives to improve the work
- the collation of existing curricula, course literature and other relevant materials developed by member societies or institutions who are contributing to their work,
- the international exchange of information about curricular aspects of HCI and their further development,
- the design of recommendations and guidelines for HCI curricula at different levels of higher education, and the adaptation of the guidelines to the cultural situation within which the respective education systems are based.

IFIP's MISSION STATEMENT

IFIP's mission is to be the leading truly international, apolitical organisation which encourages and assists in the development, exploitation and application of Information Technology for the benefit of all people.

Principal Elements

1. *To stimulate, encourage and participate in research, development and application of Information Technology (IT) and to foster international co-operation in these activities.*
2. *To provide a meeting place where national IT Societies can discuss and plan courses of action on issues in our field which are of international significance and thereby to forge increasingly strong links between them and with IFIP.*
3. *To promote international co-operation directly and through national IT Societies in a free environment between individuals, national and international governmental bodies and kindred scientific and professional organisations.*
4. *To pay special attention to the needs of developing countries and to assist them in appropriate ways to secure the optimum benefit from the application of IT.*
5. *To promote professionalism, incorporating high standards of ethics and conduct, among all IT practitioners.*
6. *To provide a forum for assessing the social consequences of IT applications; to campaign for the safe and beneficial development and use of IT and the protection of people from abuse through its improper application.*
7. *To foster and facilitate co-operation between academics, the IT industry and governmental bodies and to seek to represent the interest of users.*
8. *To provide a vehicle for work on the international aspects of IT development and application including the necessary preparatory work for the generation of international standards.*
9. *To contribute to the formulation of the education and training needed by IT practitioners, users and the public at large.*