

Report from the Program Committee

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As representative of the Program Committee, I would like to give you some background information about the make-up of the technical program. As I make my report, I will be using the overhead projector to show you the numerical data.

FGCS '88, which follows our last conference in 1984, marks the last year of the intermediate stage of the FGCS project sponsored by ICOT. The first seeds were sown when the project began in 1982. Plans for the intermediate stage, which were based on those seeds, were made in 1985. At this conference we will examine the development and growth which has been achieved since then.

To give you some idea of how the program for this conference was planned, I should tell you that we started out by dividing the subject matter into four main fields. This was done in order to tackle the question of the depth of research achieved

and to produce a quantitative magnification of its influence throughout the world.

The subjects chosen by the Program Committee were foundation, software, architecture (computer architecture), and applications. After this decision was made sub-committees were formed to pursue the individual subjects. The sub-committees worked in parallel form. You can see this represented here (Fig. 1). The sub-committee heads and secretaries were formed into a managing committee to deal with the decisions on overall planning policy, planning and correspondence.

All in all, there were more than 57 participants of program committee. You have the names of these people in your proceedings.

The technical sessions were planned based on the submitted research papers. To these we have added some special activities. The deadline for these papers was May 10.

Chairman	Hidehiko Tanaka	Univ. of Tokyo
Vice-Chairman	Koichi Furukawa	ICOT
Area-Chairman		
Foundation:	Setsuo Arikawa	Kyushu Univ
Software:	Akinori Yonezawa	Tokyo Inst of Tech
Architecture:	Makoto Amamiya	Kyushu Univ
Applications:	Hozumi Tanaka	Tokyo Inst of Tech
Members in total	57 (51)	

Fig. 1 Program Committee

As you can see, papers were submitted from twenty-nine countries, with a total of 355 papers in all. (Fig. 2)

At our last conference in 1984, twenty-nine countries were also represented, but the total was 206 papers. This means that there was an increase of seventy percent this year. In order that the papers be evaluated in as fair a manner as possible, four different people read each. Of these, there was always one reader who was a member of the Program Committee. In order to grasp the content of each paper, we were assisted by 483 people from all over the world. Unfortunately, we had summer vacation to contend with, which meant that we had a little more than forty

Countries	Number of Papers
JAPAN	77
U.S.A.	73
CHINA	34
F.R.G.	29
FRANCE	21
U.K.	21
SWEDEN	18
ITALY	13
CANADA	13
BELGIUM	8
AUSTRALIA	5
THE NETHERLANDS	5
KOREA	5
PORTUGAL	4
ISRAEL	4
SWITZERLAND	4
HUNGARY	4
U.S.S.R.	3
INDIA	2
CZECHOSLOVAKIA	1
FINLAND	1
AUSTRIA	1
KUWAIT	1
SINGAPORE	1
THAILAND	1
NEW ZEALAND	1
NORWAY	1
BULGARIA	1
POLAND	1
TOTAL	355

Fig. 2 FGCS'88 Submitted Papers

days to read all of the papers. This put a great burden on the readers. I would like to present in the proceedings the names of these people without whose help we never could have completed the research-paper selection on schedule.

The papers were judged in terms of relevance, technical content and originality. Here are the results. (Fig.3) As you can see, 95 papers were selected. At our last conference 63 papers were presented in three parallel sessions over the course of two days. This time we will have four parallel sessions covering three days.

We had originally planned to have eighty papers presented, but we found it impossible to cut the number of excellent

Countries	Number of Papers
JAPAN	37
U.S.A.	22
SWEDEN	6
F.R.G.	6
FRANCE	4
CANADA	4
ITALY	3
U.K.	3
ISRAEL	2
AUSTRALIA	2
KOREA	2
THE NETHERLANDS	1
SWITZERLAND	1
BELGIUM	1
POLAND	1
TOTAL (15 Countries)	95

Fig. 3 FGCS'88 Accepted Papers

1. Sessions through submitted papers	28
2. Invited papers	4
3. Panel discussion	1
4. Special sessions	8
4 for four areas	
1 for general (projects)	
3 for ICOT research	

Fig. 4 Technical Sessions

submissions. Accordingly, we have increased the amount of time given to the technical sessions. The third day, for example, will go until 7:00 p.m. making it possible to accommodate ninety-five presentations. This number is a fifty-percent increase over the 1984 conference.

We have prepared several special activities besides the research papers, presented here (Fig. 4).

First of all, there will be twenty-eight general sessions and four invited papers-sessions. The ones printed here are those dealing with the technical sessions. We have invited one paper per research subject.

In this plenary session we will have presentations by Prof. Simon and Prof. Clark. The invited papers during the technical sessions will be delivered by Prof. Milner, Prof. Futamura, Prof. Warren, and Dr. Gallaire. Each of these is the recognized expert in his field.

Next are the panel discussions. There will be one panel discussion during this plenary session and one during the technical session. We have asked Dr. Shapiro to be the coordinator of the latter. The theme has to do with a subject of great importance to FGCS—parallel processing. There will be a number of points of interest which will be discussed at the panel.

This second panel discussion will be held during the afternoon of the final day as the last event scheduled.

The fourth point I would like to introduce is that of the special sessions. These will concern the current topic in each of the four subjects under consideration.

In addition, we have prepared one session which will explain the activities of

FGCS-related projects all over the world. It is labelled as "general."

Finally, there are three sessions which will spend some time discussing in detail the research being pursued by ICOT.

While planning the program for this conference, it became clear to me that the developments in our area of research are phenomenal. When the basic capabilities and technological points which are a part of the FGCS framework come together there are a number of solutions offered to try on a given problem, and, as a result, the increased capacities that stem forth are phenomenal. Not only this, but the quantitative expansion of our research is also incredible. There are an impressive number of people currently involved.

It is our fervent hope that this conference will prove to promote our chosen field of research, and create an increased camaraderie amongst the researchers who are here. We also hope that the proceedings of the conference will serve to offer information of value to future research.

We hope that you all will enjoy these five days.

Finally, I would like to extend deepest appreciation to all those who were involved in the planning of this conference, and those who gave of their valuable time by reading the submitted research papers and offered their opinions. And heartfelt thanks to Dr. Furukawa and the other ICOT people who worked in the background providing valuable help to the Program Committee.

Thank you very much.