

## *Report from Program Committee*



**Hideo Aiso**, Chairman  
Program Committee  
(Keio University)

Good morning. I am Hideo Aiso, of Keio University. I have been appointed program chairman for this international conference.

On behalf of the Program Committee, I would like to outline the progress of committee activities and the program of this conference.

Our Program Committee started activities in April 1983 when it was decided to hold this FGCS '84. Specifically, we began with inviting technical papers and planning a conference program. We opened the registration of technical papers in August 1983 and closed it in mid-April 1984. Then we reviewed the papers for about one and a half months and decided which of them to adopt in early June. The main subjects for discussion at the conference were categorized into five fields closely associated with fifth generation computer research and development.

The first field is theory related to logic programming; the second is logic programming languages and methodologies; the third is new generation computer architecture; the fourth is applications of new generation computers; and the fifth field concerns the social impacts of new generation computers.

Technical paper submissions exceeded our expectations, numbering as many as 206 from 29 countries. In reviewing the papers we had the cooperation of 236 scholars and referees from 12 countries. The reviews were generally made by one Japanese referee and two foreign referees per paper. Since there was a large number of papers than expected, the referees had to spend a tremendous amount of time and effort reviewing them. I would like to take this opportunity of thanking the referees.

We had originally planned to adopt about 40 papers and allocate 40 minutes

for the presentation of each of them. Since, however, the papers received were of very high quality and full of interesting information, we decided to adopt more papers. Our final decision was to adopt 62 papers by reducing the time for their presentation to 30 minutes per paper and creating an additional session extending to 9 o'clock in the evening. The papers received and adopted break down as follows: 40 received and 13 adopted in the first field; 52 received and 13 adopted in the second field; 46 received and 20 adopted in the third field; 63 received and 15 adopted in the fourth field; and 5 received and 1 adopted in the fifth field.

The technical sessions will have guest speakers: Professor R. Burstall of Edinburgh University in the first field; Assistant Professor Y. Tanaka of Hokkaido University in the third field; and Dr. D. G. Bobrow of the Xerox Palo Alto Research Center in the fourth field. The session concerning social impact will take the form of a mini-panel discussion including the presentation of one paper.

The technical sessions will be wrapped up with a panel discussion entitled "Parallelism and New generation Computers." In regards to the four-day sessions, the first half to be held on November 6 and 7 will be general sessions involving reports on the results of ICOT research and development activities. The other half on November 8 and 9 will be technical sessions allocated to the presentation of the general papers adopted.

The ICOT reports will be made by the laboratory chiefs.

As guest speakers at the general sessions, we have invited Professor E. F. Vogel of Harvard University, who is very knowledgeable about Japan, to give a general

speech, and Professor A. Colmerauer of Marseille University, France, who is a PROLOG advocate, to make a technical speech.

As reported by Conference Chairman Moto-oka a short time ago, our Fifth Generation Computer Systems Project has provided an incentive to countries overseas to initiate similar national projects or research and development efforts. To introduce the status of these overseas activities and discuss the question of international collaboration, we have included in the program a panel discussion about "Status and Social Impact of Research and Development Efforts in the World." The discussion will be moderated by Mr. D. Brandin, former ACM president.

This summarizes the activities of the Program Committee and composition of the program.

Finally, I would like to express our thanks to the many people who took the time to extend cooperation to us.

Also, I would like to take this opportunity to thank the referees who reviewed the technical papers, the people who have taken the trouble to come over here to present speeches and participate in the panel discussion, the session chairmen, the Program Committee members, and the secretariat.

In conclusion, as Program Chairman, I would like to say that we hope the overseas researchers here, who have come all the way to Japan, and the Japanese attendees will use this international conference as an occasion for an exchange of useful information and ideas for future research activities.

Thank you.