

## PREFACE

It has been seven years since the first International Conference on the Fifth Generation Computer Systems. A great deal of research effort has been made toward the goal of FGCS throughout the world and produced many excellent results. Evidence of this progress is that we received 355 papers of very high quality from 30 countries for the third International Conference on FGCS.

These proceedings consist of three volumes. The first volume includes the plenary session and portions of the technical sessions. It contains reports on the current status of the FGCS project research carried out over the past four years at ICOT, as well as future planning along this line. The other two volumes are collections of technical literature. Because the quality of papers we received was very high, we faced difficulty in making the final selections. However, limitation in length of the conference as well as size of this proceedings forced us to select only 95 submissions and four invited papers. Papers were selected according to their relevance, technical content, originality, and clarity by at least four referees: one from Program Committee, one from Japan, and two from other countries.

It is our sincere hope that the conference program itself will prove rewarding and enjoyable to all who are able to participate in FGCS'88 and that the Proceedings will serve as a valuable reference source for years to come.

As Program Chairman, it is my great pleasure to acknowledge the support of a number of people. First of all, I would like to single out the program committee members, who made great efforts to arrange an attractive conference program. They are the Program Vicechairman, Dr. Koichi Furukawa, and the four chairmen of subcommittees, Professors Setsuo Arikawa, Akinori Yonezawa, Makoto Amamiya and Hozumi Tanaka. I would also like to thank the 483 referees from 17 countries who worked hard to evaluate the submitted papers within so limited a schedule. A list of the referees is provided on pages v and viii for our acknowledgment.

Finally, I would like to thank the many people at ICOT who provided excellent administrative services to the program committee.

Hidehiko Tanaka  
*Program Chairman*

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