

### November 7 (Wednesday)

9:00—11:00 Invited Lectures

Chairman: Tohru MOTO-OKA      Conference Chairman

**The Changing Nature of Information Societies**

Ezra F. VOGEL (Harvard University, U.S.A.)

**Equations and Inequations on Finite and Infinite Trees**

Alain COLMERAUER (University of Aix Marseille II, France)

11:30—16:30 Report on ICOT's Progress

Chairman: Kazukiyo KAWANOBE      Assistant Director of ICOT Research Center

**Architectures and Hardware Systems: Parallel Inference Machine and Knowledge Base Machine**

Kunio MURAKAMI (ICOT Research Center)

**Basic Software System**

Koichi FURUKAWA, Toshio YOKOI (ICOT Research Center)

**Sequential Inference Machine: SIM-Progress Report**

Shunichi UCHIDA (ICOT Research Center)

**Sequential Inference Machine: SIM-Its Programming and Operating System**

Toshio YOKOI (ICOT Research Center)

## TECHNICAL SESSION

Three invited papers and sixty two submitted papers will be presented in three parallel sessions at the Concord Ball Room A, B, C.

		Technical Session (Room A, B, C)		
		Room A	Room B	Room C
Nov. 8 (Thur.)	9:00	Foundations for Logic Programs (1)	Architectures for New Generation Computing (1)	Logic Programming Languages/Methodologies (1)
	11:30	Break		
	13:00	Foundations for Logic Programs (2)	Architectures for New Generation Computing (2)	Applications of New Generation Computing (1)
	15:00	Break		
	15:30	Logic Programming Languages/Methodologies (2)	Architectures for New Generation Computing (3)	Application of New Generation Computing (2)
	17:30	Break		
Nov. 9 (Fri.)	19:00	Logic Programming Languages/Methodologies (3)	Architectures for New Generation Computing (4)	Applications of New Generation Computing (3)
	21:00	Break		
	9:00	Foundations for Logic Programs (3)	Architectures for New Generation Computing (5)	Applications of new Generation Computing (4)
	10:30	Break		
	11:00	Foundations for Logic Programs (4)	Impacts of New Generation Computing Mini Panel	Applications of New Generation Computing (5)
	12:30	Break		
14:00	Panel Discussion			
16:00	Parallelism in New Generation Computing			

## PROGRAM

### PLENARY SESSION

#### Concord Ball Room

**November 6 (Tuesday)**

#### 10:00—12:00 Opening Session

##### **Greetings**

Nihachiro KATAYAMA . . . President of ICOT

##### **Opening Address**

Tohru MOTO-OKA . . . Conference Chairman

##### **Welcoming Message**

Tomoharu TAZAWA . . . Parliamentary Vice-Minister of International Trade and Industry

##### **Keynote Speeches**

Hiroo KINOSHITA . . . Director-General of Machinery and Information Industries Bureau, MITI

Kazuhiro FUCHI . . . Director of ICOT Research Center

##### **Report from Program Committee**

Hideo AISO . . . Program Chairman

#### 13:30—15:00 Summary of ICOT Research and Development

##### **Current Status and Future Plans of the Fifth Generation Computer System Project**

Kazukiyo KAWANOBE . . . Assistant Director of ICOT Research Center

#### 15:30—17:30 Panel Discussion

##### **International Research Activities for New Generation Computers**

##### **—Their Plans and Social Impacts—**

##### **Chairman:**

David H. BRANDIN . . . Former President of ACM, U.S.A.

##### **Panelists:**

J.M. CADIOU . . . Director of the ESPRIT Program, EC

François SALLE . . . Vice-President of Corporate Research and Technology, Bull Group, France

Tsutomu MAKINO . . . Director of Electronics Policy Division, MITI, Japan

Brian W. OAKLEY . . . Director of the Alvey Programme, U.K.

Norbert SZYPERSKI . . . Director of GMD, Federal Republic of Germany