

Announcements

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International Conference on Fifth Generation Computer Systems, 1984: Call for Papers

The scope of technical sessions of this conference encompasses the technical aspects of new generation computer systems which are being explored particularly within the framework of logic programming and novel architectures. This conference is intended to promote interaction among researchers in all disciplines related to fifth generation computer technology. The topics of interest include (but are not limited to) the following:

- Foundations for Logic Programs
- Logic Programming Languages/Methodologies
- Architectures for New Generation Computing
- Applications of New Generation Computing
- Impacts of New Generation Computing

Paper Submission Requirements

Four copies of manuscripts should be submitted by **April 15, 1984** to:

Prof. Hideo Aiso
Program Chairman
ICOT
Mita Kokusai Bldg. 21F
1-4-28 Mita, Minato-ku
Tokyo 108, JAPAN

Papers are restricted to 20 double-spaced pages (about 5000 words) including figures. Each paper must contain a 200-250 word abstract. Papers must be written and presented in English.

Papers will be reviewed by international referees. Authors will be notified of acceptance by **June 30, 1984**, and will be given instructions for final preparation of their papers at that time. Camera-ready papers for the proceedings should be sent to the Program Chairman prior to **August 31, 1984**.

General Information

Date: November 6-9, 1984
Venue: Keio Plaza Hotel, Tokyo, Japan
Host: Institute for New Generation Computer Technology

Official languages: English/Japanese
Participants: 600

Further information:

Conference information is available from:
FGCS'84 Secretariat
Institute for New Generation
Computer Technology (ICOT)
Mita Kokusai Bldg. 21F
1-4-28 Mita, Minato-ku
Tokyo 108, JAPAN
Phone: 03-456-3195; Telex: 32964 ICOT

Workshop on Non-monotonic Reasoning: Call for Participation

The American Association for Artificial Intelligence (AAAI) will sponsor a Workshop on Non-monotonic Reasoning at the Mohonk Mountain House, New Paltz, New York, 17-19 October 1984.

Broadly conceived, non-monotonic reasoning is the process of making and reasoning with plausible or default assumptions. In recent years its central role within Artificial Intelligence has become apparent, and considerable research activity has been directed towards both theoretical and practical issues. The workshop aims to assemble theoreticians and practitioners from across AI who recognize in their research a need for non-monotonic reasoning. The objective is to identify those forms of plausible reasoning that arise in different areas of AI, to isolate common patterns, to entertain various accounts – both formal and informal – of these reasoning patterns, and to evaluate their suitability and limitations.

To encourage interaction and a broad exchange of ideas, the workshop will be kept small – about 35 participants. Sessions will consist of individual presentations, with ample time for general discussion.

Papers are invited for consideration in all aspects of non-monotonic reasoning including, but not restricted to:

- Formal Theory
- Computational Mechanisms
- Philosophical Considerations
- Reason (or “Truth”) Maintenance and the Retraction of Assumptions
- Non-monotonic Reasoning as It Arises in
 - Planning
 - Natural Language
 - Knowledge Representation
 - Data Bases
 - Computational Vision
 - Expert Systems

Three copies of an extended abstract (up to 8 pages, double spaced) should be sent to the General Chairman, postmarked before **1 May 1984**. Acceptance notices will be mailed by **15 June 1984**. Revised abstracts should be returned to the General Chairman by **1 September 1984** so they may be bound for distribution at the workshop.

General Chairman

Ray Reiter
Department of Computer Science
University of British Columbia
Vancouver, B.C. V6T 1W5
CANADA

Local Arrangements

Bonnie Lynn Webber
 Computer and Information Science
 University of Pennsylvania/D2
 Philadelphia, PA 19104 USA

Program Committee

Jon Doyle, Carnegie-Mellon University
 David Israel, Bolt Beranek and Newman Inc.
 Hector Levesque, Fairchild Corporation
 Robert Moore, SRI International
 Ray Reiter, University of British Columbia
 Bonnie Lynn Webber, University of Pennsylvania

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A Tutorial on Machine Translation

will be held by the Institut Dalle Molle pour les Etudes Semantiques et Cognitives de l'Université de Geneve ("ISSCO") from Monday, 2 April, to Saturday, 7 April, 1984, in Lugano, Switzerland.

The aim of the tutorial is to convey the state of the art by allowing experts in different aspects of MT to present their particular point of view. Sessions covering the historical development of MT and its possible future evolution will also be included to provide a tutorial that should be relevant to all concerned with the relationship between natural language and computer science.

The Tutorial will take place in the Palazzo dei Congressi or the Villa Heleneum, both set in parkland on the shore of Lake Lugano. Participants will be accommodated in nearby hotels. Registration will take place on the Sunday evening preceding the Tutorial.

PROVISIONAL PROGRAMME**A Non-conformist's View of the State of the Art**

Geoffrey Sampson, University of Lancaster

Pre-history of Machine Translation

Beat Buchmann, ISSCO

SYSTRAN

Peter Wheeler, Commission of the European Communities

Post-1965 Developments

Effi Ananiadou and Susan Warwick, ISSCO

MT Software – Background

Jean-Luc Cochard and Dominique Petitpierre, ISSCO

SUSY

Dieter Maas

TAUM

Pierre Isabelle, University of Montreal

Linguistic Representations in Syntax Based MT Systems

Anne de Roeck, University of Essex

Artificial Intelligence Approaches to MT

Patrick Shann, ISSCO

Implications of New Developments in Linguistics

Eric Wehrli, University of California at Los Angeles

GETA

Christian Boitet, University of Grenoble

ROSETTA

Jan Landsbergen, Philips Research Laboratory

Developments in MT Software

Rod Johnson, University of Manchester, and Michael Rosner, ISSCO

Creating an Environment for the Translator

Alan Melby, Brigham Young University

METAL

Jonathan Slocum, University of Texas at Austin

EUROTRA

Maghi King, ISSCO

New Projects in France

Christian Boitet, University of Grenoble

Future of MT

Antonio Zampolli, University of Pisa

For further information, write to

ISSCO (MT Tutorial)
 54 Route des Acacias
 1227 Geneva, Switzerland.