

FUTURE COMPUTING SYSTEMS

This Journal will begin publication quarterly in spring 1985. Research and survey papers are sought with strategic and futures themes in all areas of computing including: device technology, machine architecture, software engineering, human-computer interface, artificial intelligence, robotics, and socio-economic impacts. Contact

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CONFERENCE ANNOUNCEMENTS

THE SEVENTH ANNUAL CONFERENCE
OF THE COGNITIVE SCIENCE SOCIETY

15-17 August 1985

University of California, Irvine

The goal of the annual conference of the Cognitive Science Society is to provide a forum for the presentation of interdisciplinary scientific results in the various disciplines that comprise Cognitive Science, including Cognitive Psychology, Artificial Intelligence, Linguistics, Neurobiology, and Philosophy. The 1985 conference is jointly sponsored by the Cognitive Science Society, the Alfred P. Sloan Foundation, and the Biological Sciences Division of the Office of Naval Research. The conference will be held immediately preceding the International Joint Conference on Artificial Intelligence (IJCAI), which will be held at the University of California, Los Angeles.

MAJOR ADDRESSES

Endel Tulving, Department of Psychology, University of Toronto; Allen Newell, Department of Computer Science, Carnegie-Mellon University; Shimon Ullman, Laboratory for Computer Science, Massachusetts Institute of Technology; Roger Schank, Department of Computer Science, Yale University.

In addition, the conference will feature state-of-the-art symposia in Language, Learning, and Perception. Speakers so far scheduled to appear include: Bob Berwick, Ken Wexler, Jim McGaugh, Jaime Carbonell, Dave LaBerge, Gary Lynch, Pat Langley, Michael Posner, Don Hoffman.

AEROSPACE APPLICATIONS OF ARTIFICIAL INTELLIGENCE

16-19 September 1985

Dayton Convention Center, Dayton, OH

The annual AAAIC '85 Conference will be held in Dayton to establish the present state of the art in artificial intelligence in selected areas of importance. Each session will be keynoted by a prominent researcher who can authori-

tatively differentiate between present capabilities and research requirements. Practitioners have been selected and invited to present papers on their work by conference chairpersons in conjunction with keynote speakers. This will be an annual conference structured to encourage maximum interaction between participants during sessions and social events. Conference attendance is limited. Exhibits will be open to the public.

FEATURED SPEAKERS

Among the notable speakers with expertise in the area of artificial intelligence, the agenda will include Dr. W. Bledsoe, MCC; Brig. Gen. P. Bouchard, Vice Commander, Aeronautical Systems Division; Dr. B. Chandrasekaran, Ohio State University; Dr. M. Fox, CMU; Dr. T. Garvey, SRI; Dr. V. Lesser, University of Massachusetts; Prof. D. Michie, University of Edinburgh; Prof. J. A. Robinson, Syracuse University; Dr. W. Rouse, Georgia Institute of Technology; Dr. E. Sacerdoti, Teknowledge; Dr. M. Stefik, Xerox PARC; and Dr. E. Taylor, TRW Company.

SELECTED SESSIONS

- Avionics
- Decision Support Systems
- Expert Systems and Building Tools
- Maintenance
- Man-Machine Interface
- Manufacturing
- New Architectures
- Programming Languages

ÖSTERREICHISCHE ARTIFICIAL INTELLIGENCE-TAGUNG 1985

24-27 September 1985

Universität Wien, Hauptgebäude

The Austrian Meeting on Artificial Intelligence will take place at the University of Vienna; it is organized by the Austrian Society for Artificial Intelligence (ÖGAI).

Papers concerning many aspects of AI will be presented and published in the proceedings. Conference languages are English and German.

In addition to the Meeting, a one-day tutorial offering an introduction to AI will be held on 24 September, and it is possible to visit several tutorial concerning main fields of AI on 25 September. For more detailed information on these tutorials, or on the Meeting, write:

Institut für Medizinische Kybernetik
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 Austria, Europe

CHAIRMAN: J. Retti, *Vienna*

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CONFERENCE PROVISIONAL PROGRAMS

CONFERENCE ON DISCONTINUOUS CONSTITUENCY

7-8 July 1985

University of Chicago, Chicago, Illinois

7 JULY 1985

Goeffrey Huck, *University of Chicago* – Opening Remarks.

Yoshihisa Kitagawa, *University of Massachusetts* – Redoing Reduplication.

John McCarthy, *Bell Labs* – The OCP and the Edges of Morphemes.

Jerrold Sadock, *University of Chicago* – Discontinuity and Autolexical Syntax.

Stephen Lapointe, *Wayne State* – An Argument for an Autosegmental Approach to Syntax.

Susan Schmerling, *University of Texas* – Discontinuous Constituents versus Discontinuous Dependencies.

James D. McCawley, *University of Chicago* – Some Additional Cases of Discontinuity.

Mark Baltin, *NYU* – Degree Complements.

Kent Wittenbrug, *University of Texas* Extraposition from NP as Anaphora.

William O'Grady, *University of Calgary* – Discontinuous Constituency in a Free Word Order Language.

Richard Oehrle, *University of Arizona* – Gapping and the Analysis of Discontinuous Dependencies.

Emmon Bach, *University of Massachusetts*.

8 JULY 1985

Donald Hindle & Mitchell Marcus, *Bell Labs* Phrase Structure and Intonation Breaks.

Susan Stucky, *CSLI* – Configurational Variation in English.

Martin Kay, *Xerox PARC*.

Hans Uszkoreit, *SRI* – Linear Precedence in Discontinuous Constituents.

Anthony Kroch & Aravind Joshi, *University of Pennsylvania* – Extraposition in Tree Adjoining Grammars.

Pauline Jacobson, *Brown University* – Bounded Discontinuities.

Almerindo Ojeda, *University of Wisconsin* – Discontinuity and Phrase Structure Grammar.

Ivan Sag, *Stanford University* – Continuous Analyses of Discontinuous Constituents in Head Driven Phrase Structure Grammar.

Susan Steele, *University of Arizona* – On Constituency.

Farrell Ackerman, *University of California, Berkeley* – Wandering Parts of Predicates.

Livia Polanyi, *BBN and University of Amsterdam* – Discontinuous constituents in Discourse Syntax.

INTERNATIONAL SYMPOSIUM ON DISCOURSE PROCESSING

15-16 July 1985

St. Patrick's College, Dublin, Ireland

organized in conjunction with the Fourth European Conference on Reading

15 JULY 1985

Arthur Cater, *University College, Dublin* – Conceptual Primitives and Their Metaphorical Relationships.

Roger Schank, *Yale University* – From Meaning Representation to Learning and Explanation.

Noel Sharkey, *University of Essex*.

Anthony Sanford, *University of Glasgow* – Process Models of Discourse and Rhetorical Phenomena.

Michael McTear, *University of Ulster* – Conversational Competence: Acquisition and Disorders.

Brian Torode, *Trinity College, Dublin* – Automatic Discrimination of Discourse Fields: A Contribution to Computational Linguistics.

Panel Discussion chaired by **Ronan Reilly**, *ERC, St. Patrick's College, Dublin*.

16 JULY 1985

Henry McLoughlin, *University College, Dublin* – Personae: User Models for Dialogue Understanding.

Giacomo Ferrari, *University of Pisa*.

Ronan Reilly, *ERC, St. Patrick's College, Dublin* – Model Failure in Dialogue: Some Detection and Repair Techniques.

Owen Egan, *Linguistics Institute of Ireland* – Induction and Decision Making in Discourse Processing.

John Harris, *Linguistics Institute of Ireland* – The Progress of Immediate Structural and Lexical Processing as a Function of Sentence-Internal and Discourse-level Informational Dependencies.

John Wilson, *University of Ulster* – Towards the Delimitation of Conversation as a Speech Event.