

- 10h10-10h40 Coffee Break
- 10h40-11h20 Michel Boyer, Guy LaPalme [Montreal Univ., Canada]
Generating Sentences from Semantic Networks.
- 11h20-12h00 Said Tazi, Jacques Virbel [LSI, France]
Formal Representation of Textual Structures for an Intelligent Text-Editing System.
- Chairman Richard Kittredge [Montreal Univ., Canada]
- 14h00-14h40 Invited lecture: Alain Colmerauer [GIA, France]
Nothing More than PROLOG.
- 14h40-15h20 Invited lecture: Fernando Pereira [SRI, USA]
Parsing and Deduction.
- 15h20-15h50 Coffee Break
- 15h50-16h30 Camilla Schwind [LISH, France]
Logic Based Natural Language Processing.
- 16h30-17h10 Anne Daladier [LADL, France]
Programming in Natural Language? At What Cost?

Transportable Natural Language Processing Workshop

22-23 October 1984; Duke University

sponsored by Duke and the ACL

funded by the National Science Foundation

The following papers were presented at this Workshop:

- Elaine Marsh [Navy Center for Applied Research in Artificial Intelligence]
Requirements for Transportable Natural Language Systems.
- Fred Damerau [IBM Thomas J. Watson Research Center]
Customization for the TQA System.
- Samuel Epstein [Bell Communications Research]
A Restricted English Query Language for Large Database Applications.
- David Wilczynski, Norman Sondheimer [USC/Information Sciences Institute]
A Knowledge-Based View of Natural Language Portability.
- Carole Hafner [Northeastern University], Kurt Godden [General Motors Research Laboratories]
Language Processing in DATALOG: An Analysis of Two Sample Queries.
- Paul Martin [SRI International]
Constructing Modular Natural Language Systems.
- Aravind Joshi [University of Pennsylvania]
Some Aspects of Domain-Independent Cooperative Interaction.
- George Heidorn, Karen Jensen [IBM Thomas J. Watson Research Center]
PLNLP: The Portable Language for Natural Language Processing, and Its Associated English Grammar.

Ralph Grishman [New York University]
Automated Discovery of Sublanguage Semantic Patterns.

Craig Thompson [Texas Instruments]
Generating Usable Low Cost Menu Based Natural Language Interfaces to Databases.

Remko Scha [Bolt Beranek and Newman Inc.]
Representing Conceptual Information by Means of Translation Rules.

Bozena and Fred Thompson [California Institute of Technology]
ASK is Transportable in Half a Dozen Ways.

Jonathan Slocum [MCC]
Transportability to Other Languages.

A panel session on "A Comparative Study in Computational Linguistics", organized by Alan Biermann [Duke University], considered how each of several natural language processors would handle a single input. The panelists were Lyn Bates [BBN], Carole Hafner, Karen Jensen, John Lusth [Southwest Research Institute], Paul Martin, and Bozena Thompson.

The material presented at the meeting will be submitted to *Computational Linguistics* and the *ACM Transactions on Office Information Systems*.

Calls for Participation

Pragmatics Documentation Center

A Pragmatics Documentation Center is being organized at the University of Antwerp (UIA), Belgium. Its first task will be to compile an annotated bibliography of pragmatics from 1938 through 1985. This bibliography will be a completely revised, integrated, expanded, and updated version of J. Verschueren, 1978, *Pragmatics: An Annotated Bibliography* (John Benjamins, Amsterdam: xvi + 270 pp.) and the five supplements that have appeared in the *Journal of Pragmatics* (1978-1982).

The bibliography is intended to cover the field of pragmatics in its widest sense, including not only studies dealing with speech acts, presuppositions, implicatures, and the like, but also some aspects of artificial intelligence, many forms of anthropological, sociolinguistics, psycholinguistic and neurolinguistic research, most forms of discourse analysis and conversational analysis, and various applications of these various domains of inquiry. The selection of items from this broad range of interests will be based on rather strict boundary criteria that are, however, too complex to explain in this limited space.

Everyone who is, has been, or will be active in any of the areas cited is kindly invited, in order to facilitate this compilation, to send a copy of their past and future publications (in any language, with full bibliographical reference) to

Pragmatics Documentation Center
 J. Verschuereen/J. Nuyts
 University of Antwerp
 Linguistics (Germ. Phil.)
 Universiteitsplein 1
 B-2610 Wilrijk, BELGIUM

A Decade Outlook on Research Opportunities in the Behavioral and Social Sciences

The Committee on Basic Research in the Behavioral and Social Sciences is a National Research Council unit established in 1980 to assess and improve the vitality of research in behavioral and social sciences. The first Committee report, *Behavioral and Social Science Research: A National Resource* (1982), was a general statement of the scientific value, significance, and social utility of behavioral and social science research. A second Committee report, currently in preparation, derives from a 1983 symposium on "Knowledge in Social and Behavioral Science: Discoveries and Trends over Fifty Years".

These two Committee projects concentrated on the past record and present dimensions of behavioral and social science. There is now a national commitment to expand the future scientific and technological base. Promising new research directions must be canvassed, resources needed to foster prospective advances must be defined and evaluated, and priorities for additional scientific research spending must be developed and rigorously scrutinized. These processes are now occurring in nearly every major branch of science.

The Committee has therefore agreed to undertake a Decade Outlook on Research Opportunities in the Behavioral and Social Sciences, with the formal participation of the National Research Council's Commission on Behavioral and Social Sciences and Education, the Center for Advanced Study in the Behavioral Sciences, and the Social Science Research Council. This project, supported by the National Science Foundation, the Russell Sage Foundation, and other sponsors, will be completed in 1986.

The Decade Outlook will study scientific frontiers, leading research questions, and new resources needed over the next decade, roughly 1986-1995, for rapid progress on fundamental problems in the behavioral and social sciences. The final report is to contain recommendations for research resources, facilities, and programs that may provide a high level of returns to fundamental knowledge. Research areas and new resource needs will be identified by the Committee with substantial advice from many distinguished senior level, mid-career, and promising younger scientists.

The Committee invites your ideas on leading research questions for the next ten years and on new resources

needed to enable rapid progress to be made on fundamental problems in the behavioral and social sciences. Responses and inquiries should be addressed to:

Committee on Basic Research in the Behavioral and Social Sciences
 National Research Council
 2101 Constitution Avenue, NW
 Washington, D.C. 20418

Announcements

Logic, Language, and Computation Meetings 8-20 July 1985: Stanford University

The Association for Symbolic Logic (ASL) and the Center for the Study of Language and Information (CSLI) are planning a summer school and a meeting July 8-20, 1985, at Stanford University. The first week (July 8-13) will consist of the CSLI Summer School, during which courses on the following topics will be offered (enrollment in some courses using computers is limited):

Situation Semantics	Prof. John Barwise
PROLOG	Prof. Maarten van Emden
Denotational Semantics	Prof. Gordon Plotkin
Types and ML	Dr. David MacQueen
Complexity Theory	Prof. Wolfgang Maass
Abstract Data Types	Dr. Jose Meseguer
The Theory of Algorithms	Prof. Yiannis Moschovakis
Generalized Quantifiers	Dr. Lawrence Moss
LISP	Dr. Brian Smith
Foundations of Intensional Logic	Prof. Richmond Thomason

The second week (July 15-20) will consist of an ASL Meeting with invited addresses, symposia, and sessions for contributed papers. Of the invited speakers, the following have already accepted:

Prof. Peter Azcel	Prof. David Kaplan
Prof. Robert Constable	Prof. Kenneth Kunen
Prof. Maarten van Emden	Prof. Per Martin-Lof
Prof. Yuri Gurevich	Prof. John Reynolds*
Prof. Anil Gupta*	Dr. Larry Wos
Prof. Hans Kamp	*tentative

Symposia

Types in the Study of Computer and Natural Languages:

Prof. R. Chierchia	Dr. David MacQueen
Prof. Solomon Feferman	Prof. Barbara Partee

The Role of Logic in AI:

Dr. David Israel	Dr. Stanley Rosenschein
Prof. John McCarthy	

Possible Worlds:

Prof. John Perry	Prof. Robert Stalnaker
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