

| | - • | • | |
|---|-----|---|----|
| А | rti | c | PS |

| Atticies | | | | |
|--|--|-----|--|--|
| Algorithms for Grapheme-Phoneme Translation for English and French: Applications | Michel Divay and Anthony J. Vitale | | | |
| An Empirical Approach to VP Ellipsis | Daniel Hardt | 525 | | |
| A Computational Treatment of Lexical Rules in HPSG as Covariation in Lexical Entries | W. Detmar Meurers and Guido Minnen Jin Guo | | | |
| Critical Tokenization and its Properties | | | | |
| Stochastic Attribute-Value Grammars | Steven P. Abney | 597 | | |
| Book Reviews | | | | |
| The Balancing Act: Combining Symbolic and Statistical Approaches to Language edited by Judith L. Klavans and Philip Resnik | Reviewed by Takenobu Tokunaga | 619 | | |
| Industrial Parsing of Software Manuals edited by Richard F. E. Sutcliffe, Heinz-Detlev Koch, and Annette McElligott | Reviewed by John Carroll | 622 | | |
| Using Language by Herbert H. Clark | Reviewed by Marilyn A. Walker | 625 | | |
| Type Logical Grammar: Categorial Logic of Signs by Glyn V. Morrill | Reviewed by Fernando Pereira | 629 | | |
| Briefly Noted | | 635 | | |
| Publications Received | | | | |



Editor 1993-

Julia Hirschberg AT&T Labs-Research 180 Park Avenue, A237 Florham Park, NJ 07932-0971 (+1 973) 360-8330 acl@research.att.com

Associate Editor

Robert C. Berwick
Massachusetts Institute of Technology
Artificial Intelligence Laboratory
Cambridge, MA 02139, USA
(+1 617) 253-8918
berwick@ai.mit.edu

Book Review Editor

Graeme Hirst University of Toronto Department of Computer Science Toronto, CANADA M5S 3G4 (+1 416) 978-8747 gh@cs.toronto.edu

The FINITE STRING Editor

Richard Sproat Bell Laboratories 600 Mountain Avenue, 2D-451 Murray Hill, NJ 07974, USA (+1 908) 582-5296 rws@bell-labs.com

Squibs and Discussions Co-Editors

Pierre Isabelle RALI, DIRO Université de Montréal C. P. 6128, Succ. Centre-ville Montreal, Quebec, CANADA H3C 3J7 (+1 514) 343-6161 isabelle@iro.umontreal.ca

Editorial Board Members 1995–97:

Anne Abeille, Universite Paris VII
Patrick Blackburn, Universität des Saarlandes
Susan Brennan, SUNY Stony Brook
Matt Crocker, University of Edinburgh
Ido Dagan, Bar Ilan University
Masaaki Nagata, NTT Information and
Communication Systems Laboratories
Megumi Kameyama, SRI International, Menlo Park
Ed Stabler, UCLA
Kees van Deemter, Institute for Perception Research
Gregory Ward, Northwestern University
Pete Whitelock, Sharp Laboratories of Europe Ltd.

1006_08

Eric Brill, Johns Hopkins University
Richard Crouch, Defence Research Agency
David Johnson, IBM/TJ Watson Research Center
Julian Kupiec, Xerox Palto Alto Research Center
Emmanuel Roche, Mitsubishi Electric Research Laboratory
Hinrich Schütze, Xerox Palto Alto Research Center
Marilyn Walker, AT&T Research

1997-99:

David Carter, SRI International, Cambridge Mark Ellison, University of Edinburgh Clair Gardent, Universität des Saarlandes Marcus Kracht, Freie Universität Berlin Owen Rambow, CoGenTeX, Inc. James Rogers, University of Central Florida Andreas Stolcke, SRI International, Menlo Park Gertjan van Noord, University of Groningen David Yarowsky, Johns Hopkins University

Computational Linguistics

| Articles | | | | |
|--|--|-----|--|--|
| Algorithms for Grapheme-Phoneme Translation for English and French: Applications | Michel Divay and Anthony J. Vitale | | | |
| An Empirical Approach to VP Ellipsis | Daniel Hardt | 525 | | |
| A Computational Treatment of Lexical Rules in HPSG as Covariation in Lexical Entries | W. Detmar Meurers and Guido Minnen Jin Guo | | | |
| Critical Tokenization and its Properties | | | | |
| Stochastic Attribute-Value Grammars | Steven P. Abney | 597 | | |
| Book Reviews | | | | |
| The Balancing Act: Combining Symbolic and Statistical Approaches to Language edited by Judith L. Klavans and Philip Resnik | Reviewed by Takenobu Tokunaga | 619 | | |
| Industrial Parsing of Software Manuals edited by Richard F. E. Sutcliffe, Heinz-Detlev Koch, and Annette McElligott | Reviewed by John Carroll | 622 | | |
| Using Language by Herbert H. Clark | Reviewed by Marilyn A. Walker | 625 | | |
| Type Logical Grammar: Categorial Logic of Signs by Glyn V. Morrill | Reviewed by Fernando Pereira | 629 | | |
| Briefly Noted | | 635 | | |
| Publications Received | | | | |



Copyright ©1997 by the Association for Computational Linguistics. Permission to photocopy articles for internal or personal use, or the internal or personal use of specific clients, is granted by the copyright owner for users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service, provided that the fee of \$3.00 per article-copy is paid directly to CCC, 222 Rosewood Drive, Danvers, MA 01923. The fee code for users of the Transactional Reporting Service is 0891-2017/97 \$3.00. For those organizations that have been granted a photocopy license with CCC, a separate system of payment has been arranged. Such permission requests and other permission inquiries should be addressed to the Managing Editor at the address given on the inside front cover of this issue.

Computational Linguistics is abstracted and/or indexed in the following publications: Annual Review of Information Science and Technology, CompuMath Citation Index, Computer Abstracts, Computing Reviews, Current Contents: Social and Behavioral Sciences, Engineering Index, Knowledge Engineering Review, Language and Language Behavior Abstracts, Linguistic Abstracts, Linguistic Bibliography, Research Alert, Science Abstracts (INSPEC Section C), SciSearch, Social Sciences Citation Index, and Social SciSearch.

Volume 14 and subsequent volumes of *Computational Linguistics* are available on microfilm through University Microfilms International, 300 North Zeeb Road, Ann Arbor, MI 48106, USA.

Send advertising and mailing list inquiries to Marketing Dept., MIT Press Journals, Five Cambridge Center, Cambridge, MA 02142; Phone: (617) 253-2866; fax: (617) 258-5028; e-mail: journals-info@mit.edu.

Individual Subscriptions to Computational **Linguistics** are available only with membership in the Association for Computational Linguistics (ACL). Annual Membership Dues are as follows: regular, \$50.00; student — taking a full-time program of courses and not earning a regular income, \$30.00; retired, \$30.00; joint — for couples receiving one subscription, \$60.00. A membership application together with an order form for back issues and conference proceedings is included at the end of this issue. Send membership applications and address changes to Priscilla Rasmussen, Association for Computational Linguistics (ACL), P.O. Box 6090, Somerset, NJ 08875, USA. However, note that it is also possible to pay by credit card (both by e-mail and by postal mail) and through banks in Switzerland and Japan.

Institutional Subscriptions are \$110.00. Outside the U.S. and Canada add \$16.00 postage handling. Canadian subscribers add 7% GST. Single copies of current and back issues are \$28.00. Outside U.S. and Canada add \$5.00 per issue for postage and handling. Canadians add 7% GST. Send institutional subscription orders and address changes to MIT Press Journals, Five Cambridge Center, Cambridge, MA 02142; phone: (617) 253-2889; fax: (617) 577-1545; e-mail: journals-orders@mit.edu. Claims for missing issues will be honored free of charge if made within three months after the publication date of the issue. Prices subject to change without notice. Institutions should order back issues before 1988 and all proceedings from the ACL at the address above.

The FINITE STRING will no longer be available in hard copy. It will be accessible from the ACL Homepage at http://www.aclweb.org. Members without access to the WWW but with access to e-mail may request e-mail subscriptions by sending a message to The FINITE STRING Editor, Richard Sproat, rws@bell-labs.com. E-mail versions of the STRING will be available on a quarterly basis, coinciding roughly with the publication of the journal.