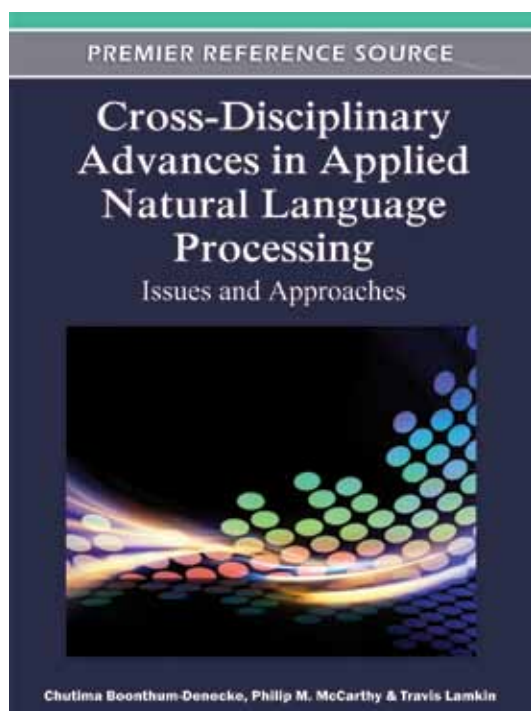


An Excellent Addition to Your Library!

Released: December 2011

Cross-Disciplinary Advances in Applied Natural Language Processing: Issues and Approaches



Chutima Boonthum-Denecke (Hampton University, USA),
Phillip M. McCarthy (The University of Memphis, USA)
and Travis Lamkin (University of Memphis, USA)

Applied Natural Language Processing (ANLP) is interested in not only the creation of natural language processing approaches (i.e., tools, systems, algorithms, models, theories, and techniques), but it is also (and, arguably, more specifically) interested in how those approaches stack up against new problems, issues, identified knowledge gaps, or created data sets.

Cross-Disciplinary Advances in Applied Natural Language Processing: Issues and Approaches defines the role of ANLP within NLP, and alongside other disciplines such as linguistics, computer science, and cognitive science. The description also includes the categorization of current ANLP research, and examples of current research in ANLP. This book is a useful reference for teachers, students, and materials developers in fields spanning linguistics, computer science, and cognitive science.

Topics Covered:

- ANLP Applications
- Applied Linguistics
- Artificial Intelligence
- Cognitive Science
- Computational Linguistics
- Content Analysis
- Human Computer Interaction
- Language Engineering
- Natural Language Processing
- Semantic Analysis

ISBN: 9781613504475; © 2012; 438 pp.

Print: US \$195.00 | Perpetual: US \$295.00 | Print + Perpetual: US \$390.00

Market: This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners and is ideal for classroom use.

Chutima Boonthum-Denecke is an Assistant Professor in the Department of Computer Science at Hampton University. Dr. Boonthum-Denecke earned her Ph.D. in Computer Science from Old Dominion in 2007; MS in Applied Computer Science from Illinois State University in 2000; and BS in Computer Science from Srinakharinwirot University in 1997. Dr. Boonthum-Denecke has been involved in several NSF-funded Broadening Participation in Computing (BPC) programs: ARTSI (Advancing Robotics Technology for Societal Impact) and STARS (Students and Technology in Academia, Research and Service) Alliances. She is also a faculty member of the Hampton University Information Assurance group. Dr. Boonthum-Denecke's research interests include artificial intelligence (natural language processing, computational linguistics), information retrieval, Web development technology, and cognitive robotics.

Section 1:

- Chapter 1
Computational Semantics Requires Computation
Wilks Yorick (Florida Institute of Human and Machine Cognition, USA)
- Chapter 2
Natural Language Processing Tools
Brunelle Justin F. (Old Dominion University, USA)
Boonthum-Denecke Chutima (Hampton University, USA)
- Chapter 3
Information Extraction from Text and Beyond
Moens Marie-Francine (Katholieke Universiteit Leuven, Belgium)
- Chapter 4
Corpora and Concordancers
Hall Charles (The University of Memphis, USA)
- Chapter 5
Lexical Challenges in the Intersection of Applied Linguistics and ANLP
Jarvis Scott (Ohio University, USA)
- Chapter 6
The User-Language Paraphrase Corpus
McCarthy Philip M. (University of Memphis, USA)
McNamara Danielle S. (University of Memphis, USA)
- Chapter 7
Amazon Mechanical Turk:
Strain Amber Chauncey (The University of Memphis, Institute for Intelligent Systems, USA)
Booker Lucille M. (The University of Memphis, Institute for Intelligent Systems, USA)
- Chapter 8
Some Issues on Capturing the Meaning of Negated Statements
Blanco Eduardo (The University of Texas at Dallas, USA)
Moldovan Dan (The University of Texas at Dallas, USA)
- Chapter 9
Cognitive Load Aspects of Text Processing
Kalyuga Slava (University of New South Wales, Australia)
- Chapter 10
Understanding and Reasoning with Text
Britt M. Anne (Northern Illinois University, USA)
Wiemer Katja (Northern Illinois University, USA)
Millis Keith K. (Northern Illinois University, USA)
Magliano Joseph P. (Northern Illinois University, USA)
Wallace Patty (Northern Illinois University, USA)
Hastings Peter (DePaul University, USA)
- Section 2:
- Chapter 11
Gum:
Olney Andrew M. (University of Memphis, USA)
Person Natalie K. (Rhodes College, USA)
Graesser Arthur C. (University of Memphis, USA)
- Chapter 12
P-MATCH:
Kao Anne (Boeing Research and Technology, USA)
Poteet Stephen R. (Boeing Research and Technology, USA)
Jones David H. (Boeing Research and Technology, USA)
Augustine David (Boeing Research and Technology, USA)
- Chapter 13
Disambiguation and Filtering Methods in Using Web Knowledge for Coreference Resolution
Uryupina Olga (University of Trento, Italy)
Poesio Massimo (University of Trento, Italy & University of Essex, UK)
Giuliano Claudio (University of Trento, Italy & Fondazione Bruno Kessler, Italy)
Tymoshenko Kateryna (University of Trento, Italy & Fondazione Bruno Kessler, Italy)
- Chapter 14
Newness and Givenness of Information:
McCarthy Philip M. (University of Memphis, USA)
Duffy David (University of Memphis, USA)
Hempelmann Christian F. (RiverGlass Inc., USA & Purdue University, USA)
Cai Zhiqiang (University of Memphis, USA)
McNamara Danielle (University of Memphis, USA)
Graesser Arthur C. (University of Memphis, USA)
- Chapter 15
Improving Spoken Dialogue Understanding Using Phonetic Mixture Models
Wang William Yang (Carnegie Mellon University, USA)
Artstein Ron (Institute for Creative Technologies, University of Southern California, USA)
Leuski Anton (Institute for Creative Technologies, University of Southern California, USA)
Traum David (Institute for Creative Technologies, University of Southern California, USA)
- Chapter 16
Mining and Visualizing the Narration Tree of Hadiths (Prophetic Traditions)
Azmi Aqil (King Saud University, Saudi Arabia)
AlBadia Nawaf (General Organization for Social Insurance, Saudi Arabia)
- Chapter 17
Combinatory Categorical Grammar for Computer-Assisted Language Learning
Delamarre Simon (Telecom Bretagne, France)
Abraham Maryvonne (Telecom Bretagne, France & Université Européenne de Bretagne, France & Laboratoire LaLICC, Paris Sorbonne, France)
- Chapter 18
Fairy Tales and ESL Texts:
Rufenacht Rachel M. (University of Memphis, USA)
McCarthy Philip M. (University of Memphis, USA)
Lamkin Travis A. (University of Memphis, USA)
- Chapter 19
Text-Based Affect Detection in Intelligent Tutors
D'Mello Sidney (University of Notre Dame, USA)
Graesser Arthur (University of Memphis, USA)
- Chapter 20
Multiple Influences on the Use of English Spatial Prepositions:
Feist Michele I. (University of Louisiana at Lafayette, USA)
Gentner Dedre (Northwestern University, USA)
- Chapter 21
Evaluating Semantic Metrics on Tasks of Concept Similarity
Schwartz Hansen A. (University of Pennsylvania, USA)
Gomez Fernando (University of Central Florida, USA)
- Chapter 22
Extracting Commonsense Knowledge Using Concepts Properties
Blanco Eduardo (The University of Texas at Dallas, USA)
Cankaya Hakki C. (Izmir University of Economics, Turkey)
Moldovan Dan (The University of Texas at Dallas, USA)
- Chapter 23
Co-Occurrence-Based Error Correction Approach to Word Segmentation
Chaowicharat Ekawat (Mahidol University, Thailand)
Naruedomkul Kanlaya (Mahidol University, Thailand)

Order Your Copy Today!

Name: _____

Organization: _____

Address: _____

City, State, Zip: _____

Country: _____

Tel: _____

Fax: _____

E-mail: _____

Enclosed is check payable to IGI Global in
US Dollars, drawn on a US-based bank

Credit Card Mastercard Visa Am. Express

3 or 4 Digit Security Code: _____

Name on Card: _____

Account #: _____

Expiration Date: _____