Applied Natural Language Processing: Identification, Investigation and Resolution

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

The amount of information that humans have gathered and made available to other humans is phenomenal, yet however large this repository of knowledge is, by this time tomorrow, it will be larger still.

Applied Natural Language Processing: Identification, Investigation and Resolution is a volume dedicated to the successful application of processing tools to this information. The majority of this knowledge is expressed through textual media, which requires these tools to utilize the research in the field of Applied Natural Language Processing. This book contains state-of-the-art Applied Natural Language Processing techniques as well as their applications. The descriptions and studies are the product of established researchers in fields relating to ANLP, and this work is relevant to teachers, students, and materials developers in fields spanning computer science, linguistics, and cognitive science.

Topics Covered:

- Content Analysis and ANLP
- Discourse Analysis
- Information Extraction
- Probabilistic approaches to ANLP
- Programming for ANLP
- Question Answering and Asking
- Teaching ANLP
- Text Classification/Clustering
- Text Mining
- Tokenization, Regular Expression, Morphology, and Stemming

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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.

Philip M. McCarthy is an Assistant Professor at The University of Memphis. He is also a member of the Institute for Intelligent Systems. His research is in the field of Applied Natural Language Processing (ANLP). His primary interest is devising algorithms for contrastive corpus analyses, particularly where such algorithms can be informative of the relationship between language, the mind, and the world.
Section 1: Foundations: The Role of NLP

Chapter 1: Question Answering and Generation
Graesser Arthur C. (The University of Memphis, USA)
Ruš Vasile (The University of Memphis, USA)
Cai Zhiqiang (The University of Memphis, USA)
Hu Xiangen (The University of Memphis, USA)

Chapter 2: Portable Text Summarization
Hassel Martin (Stockholm University, Sweden)
Dalianis Hercules (Stockholm University, Sweden)

Chapter 3: Discourse Analysis and ANLP
Kent Alexandra (Loughborough University, UK)
McCarthy Philip M. (The University of Memphis, USA)

Chapter 4: NLP for Search
Hempelmann Christian F. (RiverGlass Inc., USA & Purdue University, USA)

Chapter 5: Data Mining
Atzmueller Martin (University of Kassel, Germany)

Chapter 6: Dialogue Acts and Dialogue Structure
Midgley T. Daniel (University of Western Australia, Australia)

Chapter 7: Text-to-Text Similarity of Sentences
Ruš Vasile (The University of Memphis, USA)
Linetean Mihai (The University of Memphis, USA)
Graesser Arthur C. (The University of Memphis, USA)
McNamara Danielle S. (Arizona State University, USA)

Chapter 8: Practical Programming for NLP
Jeuniaux Patrick (Université Laval, Canada)
Olney Andrew (The University of Memphis, USA)
D’Mello Sidney (The University of Memphis, USA)

Section 2: Successful ANLP Applications or Systems

Chapter 9: LSA in the Classroom
Kannich Walter (University of Colorado, USA)
Kannich Eileen (University of Colorado, USA)

Chapter 10: AutoTutor
Graesser Arthur (The University of Memphis, USA)
D’Mello Sidney (The University of Memphis, USA)
Hu Xiangen (The University of Memphis, USA)
Cai Zhiqiang (The University of Memphis, USA)
Olney Andrew (The University of Memphis, USA)
Morgan Brent (The University of Memphis, USA)

Chapter 11: Coh-Metrix
McNamara Danielle S. (Arizona State University, USA)
Graesser Arthur C. (The University of Memphis, USA)

Chapter 12: Linguistic Inquiry and Word Count (LIWC):
Chung Cindy K. (The University of Texas at Austin, USA)
Pennebaker James W. (The University of Texas at Austin, USA)

Chapter 13: HiDEsc:
Shaoul Cyrus (University of Alberta, Canada)
Westbury Chris (University of Alberta, Canada)

Chapter 14: Computational Aspects of the Intelligent Tutoring System MetaTutor
Linetean Mihai (The University of Memphis, USA)
Ruš Vasile (The University of Memphis, USA)
Cai Zhiqiang (The University of Memphis, USA)
Witherspoon-Johnson Amy (Arizona State University, USA)
Graesser Arthur C. (The University of Memphis, USA)
Azevedo Roger (McGill University, Canada)

Chapter 15: Applying NLP Metrics to Students’ Self-Explanations
Jackson G. Tanner (Arizona State University, USA)
McNamara Danielle S. (Arizona State University, USA)

Chapter 16: Computer-Aided Rhetorical Analysis
Ishizaki Suguru (Carnegie Mellon University, USA)
Kaufer David (Carnegie Mellon University, USA)

Section 3: New Research in ANLP

Chapter 17: The Writing-Pal:
McNamara Danielle S. (Arizona State University, USA)
Raine Rosanne (The University of Memphis, USA)
Roscoe Rod (Arizona State University, USA)
Crossley Scott A. (Georgia State University, USA)
Jackson G. Tanner (Arizona State University, USA)
Dai Jiannan (Arizona State University, USA)
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Sullivan Susan (The University of Memphis, USA)
Kim Loel (The University of Memphis, USA)
Ruš Vasile (The University of Memphis, USA)
Floyd Randy (The University of Memphis, USA)
McCarthy Philip M. (The University of Memphis, USA)
Graesser Arthur C. (The University of Memphis, USA)

Chapter 18: The Gramulator:
McCarthy Philip M. (The University of Memphis, USA)
Watanabe Shinobu (The University of Memphis, USA)
Lamkin Travis A. (The University of Memphis, USA)

Chapter 19: The Role of Textual Graph Patterns in Discovering Event Causality
Rink Bryan (University of Texas at Dallas, USA)
Bejan Cosmin Adrian (University of Southern California, USA)
Harabagiu Sanda (University of Texas at Dallas, USA)

Chapter 20: Play-by-Play Learning for Textual User Interfaces
Blaylock Nate (Florida Institute for Human and Machine Cognition, USA)
de Beaumont William (Florida Institute for Human and Machine Cognition, USA)
Galescu Lucian (Florida Institute for Human and Machine Cognition, USA)
Jung Hyuckchul (Florida Institute for Human and Machine Cognition, USA)
Allen James (University of Rochester, USA)
Ferguson George (University of Rochester, USA)
Swift Mary (University of Rochester, USA)

Chapter 21: Computationally Assessing Expert Judgments of Freewriting Quality
Weston Jennifer L. (Arizona State University, USA)
Crossley Scott A. (Georgia State University, USA)
McNamara Danielle S. (Arizona State University, USA)
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Chapter 22
Morphological Analysis of Ill-Formed Arabic Verbs for Second Language Learners
Shaalan Khaled (The British University in Dubai, UAE)
Magdy Marwa (Cairo University, Egypt)
Fahmy Aly (Cairo University, Egypt)

Chapter 23
Dynamic Effects of Repeating a Timed Writing Task in Two EFL University Courses:
Baba Kyoko (Kjojo Gakuin University, Japan)
Nitta Ryo (Nagoya Gakuin University, Japan)

Chapter 24
A Comparative Study of an Unsupervised Word Sense Disambiguation Approach
Xiong Wei (New Jersey Institute of Technology, USA)
Song Min (New Jersey Institute of Technology, USA)
deVersterre Lori Watrous (New Jersey Institute of Technology, USA)

Chapter 25
Interlanguage Talk:
Crossley Scott A. (Georgia State University, USA)
McNamara Danielle S. (Arizona State University, USA)

Chapter 26
Maximizing ANLP Evaluation:
Renner Adam M. (The University of Memphis, USA)
McCarthy Philip M. (The University of Memphis, USA)
Boothnuh-Denecke Chutima (Hampton University, USA)
McNamara Danielle S. (Arizona State University, USA)

Chapter 27
Neatness and Generosity of Information:
McCarthy Philip M. (The University of Memphis, USA)
Duffy David (The Australian Bureau of Statistics, Australia)
Hempelmann Christian F. (Purdue University, USA)
Cai Zhaqiang (The University of Memphis, USA)
McNamara Danielle S. (Arizona State University, USA)
Graesser Arthur C. (The University of Memphis, USA)

Chapter 28
Semantic Methods for Textual Entailment
Neel Andrew J. (The University of Memphis, USA)
Garzon Max H. (The University of Memphis, USA)

Chapter 29
Mining and Visualizing the Narrative Tree of Hadiths (Prophetic Traditions)
Azmi Aqil (King Saud University, Saudi Arabia)
Al Badia Nawaf (General Organization for Social Insurance, Saudi Arabia)

Chapter 30
Using Event Semantics for Toponym Disambiguation
Roberts Kirk (University of Texas at Dallas, USA)
Bejan Cosmin Adrian (University of Southern California, USA)
Harabagiu Sanda (University of Texas at Dallas, USA)

Chapter 31
Evaluation of Narrative and Expository Text Summaries Using Latent Semantic Analysis
Venegas Rene (Pontificia Universidad Catolica de Valparaiso, Chile)

Chapter 32
Using LIWC and Coh-Metrix to Investigate Gender Differences in Linguistic Styles
Bell Courtney M. (Northwest Community College, USA)
McCarthy Philip M. (The University of Memphis, USA)
McNamara Danielle S. (Arizona State University, USA)