Usage of WordNet in Natural Language Processing Systems

Proceedings of the Workshop

Edited by Sanda Harabagiu

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Program

9:00–9:05 Opening

9:05–9:20 Introductory Talk by Dr. George Miller

Session 1: Semantic Disambiguation using WordNet

9:20–9:40 Jiri Stetina, Sadao Kurohashi and Makoto Nagao (Kyoto University, Japan) *General Word Sense Disambiguation Method based on a Full Sentential Context*

9:40–10:00 Eric Siegel (Columbia University, USA) *Disambiguating Verbs with the WordNet Category of the Direct Object*

10:00–10:20 Coffee Break

10:20–10:40 Rada Mihalcea and Dan I. Moldovan (Southern Methodist University, USA) *Word Sense Disambiguation based on Semantic Density*

10:40–11:00 Janyce Wiebe, Tom O'Hara and Rebecca Bruce (New Mexico State University and University of North Carolina, USA) *Constructing Bayesian Networks from WordNet for Word-Sense Disambiguation: Representational and Processing Issues*

Session 2: Usage of WordNet for Information Retrieval and Text Classification

11:00–11:20 Rila Mandala, Tokunaga Takenobu and Tanaka Hozumi (Tokyo Institute of Technology, Japan) *The Use of WordNet in Information Retrieval*

11:20–11:40 Julio Gonzalo, Felisa Verdejo, Irina Chugur and Juan Cigarrán (UNED, Spain) *Indexing with WordNet Synsets can Improve Text Retrieval*

11:40–12:00 Sam Scott and Stan Matwin (University of Ottawa, Canada) *Text Classification using WordNet Hypernyms*

12:00–13:00 Lunch Break

Session 3: WordNet Augmentations and Construction

13:00–13:20 Christiane Fellbaum (Rider University and Princeton University, USA) *Towards a Representation of Idioms in WordNet*

13:20–13:40 Fernando Gomez (University of Central Florida, USA) *Linking WordNet Verb Classes to Semantic Interpretation*

13:40–14:00 Xavier Farreres, German Rigau and Horacio Rodríguez (Universitat Politècnica de Catalunya, Spain) *Using WordNet for Building WordNets*

14:00–14:20 Oi Yee Kwong (University of Cambridge, UK) *Aligning WordNet with Additional Lexical Resources*

14:20–14:40 Roberto Basili, Alessandro Cucchiarelli, Carlo Consoli, Maria Teresa Pazienza and Paola Velardi (Universita' di Roma Tor Vergata, Universita' di Ancona and Universita' di Roma, La Sapienza, Italy) *Automatic Adaptation of WordNet to Sublanguages and Computational Tasks*

14:40–15:00 Simonetta Montemagni and Vito Pirelli (CNR, Italy) *Augmenting WordNet-like Lexical Resources with Distributional Evidence. An Application-Oriented Perspective*

15:00–15:20 Coffee Break

Session 4: Ontologies based on WordNet

15:20–15:40 Tom O'Hara, Kavi Mahesh and Sergei Nirenburg (CRL, New Mexico State University, USA) *Lexical Acquisition with WordNet and the Microkosmos Ontology*

15:40–16:00 Alistair E. Campell and Stuart C. Shapiro (State University of New York at Buffalo, USA) *Algorithms for Ontological Mediation*

16:00–16:20 Noriko Tomuro (DePaul University) *Semi-automatic Induction of Systematic Polysemy from WordNet*

16:20–16:40 Michael McHale (Air Force Research Laboratory, USA) *A Comparison of WordNet and Roget's Taxonomy for Measuring Semantic Similarity*

Session 5: Other Applications of WordNet

16:40–17:00 Yuval Krymolowski and Dan Roth (Bar-Ilan University, Israel and University of Illinois, USA) *Incorporating Knowledge in Natural Language Learning: A Case Study*

17:00–17:20 Hongyan Jing (Columbia University, USA) *Usage of WordNet in Natural Language Generation*

17:20–17:40 Doug Beeferman (Carnegie Mellon University, USA) *Lexical Discovery with an Enriched Semantic Network*

17:40–18:00 Sanda M. Harabagiu (SRI International, USA) *Deriving Metonymic Coercions from WordNet*

Table of Contents

Program and Organizing Committees i
Program ii
Table of Contents iv
Author Index vi

Workshop Papers

Jiri Stetina, Sadao Kurohashi and Makoto Nagao
General Word Sense Disambiguation Method Based on a Full Sentential Context 1
Eric V. Siegel
Disambiguating Verbs with the WordNet Category of the Direct Object 9
Rada Mihalcea and Dan I. Moldovan
Word Sense Disambiguation based on Semantic Density 16
Janyce Wiebe, Tom O'Hara and Rebecca Bruce
Constructing Bayesian Networks from WordNet for Word-Sense Disambiguation: Representational and Processing Issues 23
Rila Mandala, Takenobu Tokunaga and Hozumi Tanaka
The Use of WordNet in Information Retrieval 31
Julio Gonzalo, Felisa Verdejo, Irina Chugur and Juan Cigarrán
Indexing with WordNet Synsets can Improve Text Retrieval 38
Sam Scott and Stan Matwin
Text Classification using WordNet Hypernyms 45
Christiane Fellbaum
Towards a Representation of Idioms in WordNet 52
Fernando Gomez
Linking WordNet Verb Classes to Semantic Interpretation 58
Xavier Farreres, German Rigau and Horacio Rodríguez
Using WordNet for Building WordNets 65
Oi Yee Kwong
Aligning WordNet with Additional Lexical Resources 73
Roberto Basili, Alessandro Cucchiarelli, Carlo Consoli, Maria Teresa Pazienza and Paola Velardi
Automatic Adaptation of WordNet to Sublanguages and to Computational Tasks 80
Simonetta Montemagni and Vito Pirelli
Augmenting WordNet-like Lexical Resources with Distributional Evidence. An Application-Oriented Perspective 87
Tom O'Hara, Kavi Mahesh and Sergei Nirenburg
Lexical Acquisition with WordNet and the Microkosmos Ontology 94
Alistair E. Campell and Stuart C. Shapiro
Algorithms for Ontological Mediation 102
Noriko Tomuro
Semi-automatic Induction of Systematic Polysemy from WordNet 108
Michael L. McHale
A Comparison of WordNet and Roget's Taxonomy for Measuring Semantic Similarity . . 115
Yuval Krymolowski and Dan Roth
Incorporating Knowledge in Natural Language Learning: A Case Study 121

Author Index

Basili, R. 80
Beeferman, D. 135
Bruce, R. 23
Campell, A.E. 102
Chugur, I. 38
Cigarrán, J. 38
Consoli, C. 80
Cucchiarelli, A. 80
Farreres, X. 65
Fellbaum, C. 52
Gomez, F. 58
Gonzalo, J. 38
Harabagiu, S.M. 142
Jing, H. 128
Krymolowski, Y. 121
Kurohashi, S. 1
Kwong, O.Y. 73
Mahesh, K. 94
Mandala, R. 31
Matwin, S. 45
McHale, M.L. 115
Mihalcea, R. 16
Moldovan, D.I. 16
Montemagni, S. 87
Nagao, M. 1
Nirenburg, S. 94
O'Hara, T. 23, 94
Pazienza, M.T. 80
Pirelli, V. 87
Rigau, G. 65
Rodríguez, H. 65
Roth, D. 121
Scott, S. 45
Shapiro, S.C. 102
Siegel, E.V. 9
Stetina, J. 1
Tanaka, H. 31
Tokunaga, T. 31
Tomuro, N. 108
Velardi, P. 80
Verdejo, F. 38
Wiebe, J. 23