

Session Details

Day 1: Friday, October 5		
09:15-10:45		
Information Retrieval/Extraction 1 (IR1)		
IR1-1	On the Selection of Negative Examples for Hierarchical Text Categorization	Tiziano Fagni, Fabrizio Sebastiani
IR1-2	Classifying texts through natural language parsing and semantic filtering	Jacques Chauché, Violaine Prince
IR1-3	Detecting Subject-Shift based on Keygraph for Topic Tracking	Fumiyo Fukumoto, Yoshimi Suzuki
IR1-4	Exploring the Structure of Broadcast News for Topic Segmentation	Rui Amaral, Isabel Trancoso
Computational Morphology 1 (MR1)		
MR1-1	VerbTagGr, Web-based Tool for Statistical Morphosyntactic Recognition of One-word Modern Greek Standard Verb Forms	Penelope Lembessi, Stavroula Kroustalli, Maria Gregoriadou
MR1-2	Extraction of Macedonian Nominal Diminutives	Aleksandar Petrovski, Katerina Zdravkova
MR1-3	Containing overgeneration in Zulu computational morphology	Laurette Pretorius, Sonja E Bosch
MR1-4	A relational model of Polish inflection	Marcin Woliński
Speech processing 1 (SP1) – resources		
SP1-1	Annotation of Polish spoken dialogs in LUNA project	Agnieszka Mykowiecka, Krzysztof Marasek, Małgorzata Marciniak, Joanna Rabeiga-Wiśniewska, Ryszard Gubrynowicz
SP1-2	Creating Large Speech Databases via the WWW -- the System Architecture of the German Ph@tSessionz Web Application	Christoph Draxler, Klaus Jänsch
SP1-3	Triphone Statistics for Polish Language	Bartosz Ziółko, Jakub Gałka, Suresh Manandhar, Richard C. Wilson, Mariusz Ziółko
SP1-4	Digital Talking Books in Multiple Languages and Varieties	Isabel Trancoso, António Serralheiro, Diamantino Caseiro, Céu Viana, Isabel Mascarenhas
11:00-12:30		
Information Retrieval/Extraction 2 (IR2)		
IR2-1	Iterative Person Coreference Using Name Frequency Estimates	Octavian Popescu, Bernardo Magnini
IR2-2	A Decision Tree and Rule-based Learning Model for Anaphora Resolution in Turkish	Savaş Yildirim, Yılmaz Kiliçaslan, Tuğba Yildiz
IR2-3	User Evaluation of a novel technique for word-order error correction	Theologos Athanaselis, Konstantinos Mamouras, Stelios Bakamidis, Ioannis Dologlou
IR2-4	Resources for Information Extraction from Polish texts	Agnieszka Mykowiecka, Anna Kupść, Małgorzata Marciniak, Jakub Piskorski
Computational Semantics 1 (SE1)		
SE1-1	Extended Similarity Test for the Evaluation of Semantic Similarity Functions	Maciej Piasecki, Stanisław Szpakowicz, Bartosz Broda
SE1-2	An ontology based semantic library catalogue	Dariusz Daćko, Joanna Józefowska, Agnieszka Ławrynowicz
SE1-3	Mapping out a Semantic Network of Japanese Word Associations through a Combination of Recurrent Markov Clustering and Modularity	Maki Miyake, Terry Joyce
SE1-4	Enhancing SIMPLE Semantic Relations: A Proposal	Nilda Ruimy

Speech processing 2 (SP2) – recognition		
SP2-1	Fuzzy Recall and Precision for Speech Segmentation Evaluation	Bartosz Ziółko, Suresh Manandhar, Richard C. Wilson
SP2-2	A Knowledge based Approach Using Fuzzy Inference Rules for Vowel Recognition	Hrudaya Ku. Tripathy, P. K. Das, B.K. Tripathy
SP2-3	Application of slope transformation to robust extraction of parameters for speech recognition	Szymon Drgas, Adam Dąbrowski
SP2-4	A study on bilingual speech recognition involving a minority language	Míriam Luján, Carlos D. Martínez, Vicent Alabau
15:30-17:00		
Communication 1 (CO1)		
CO1-1	Application of MCL in a dialog agent	Darsana P. Josyula, Scott Fults, Michael L. Anderson, Shomir Wilson, Don Perlis
CO1-2	Dialog Management for Decision Processes	Paul Fodor
CO1-3	An approach to processing of user's commands in human-machine interaction	Milan Gnjatović, Dietmar Rösner
CO1-4	Centering-Theory-Based Text Planning of a Conjunctive Query	Paolo Dongilli
WordNet Special Track 1 (WN1)		
WN1-1	Leveraging parallel corpora and existing wordnets for automatic construction of the Slovene wordnet	Darja Fišer
WN1-2	WordNet Translator: First Steps in Automatic Translation of an English Semantic Database into Polish	Leszek Bajkowski
WN1-3	PolNet - Polish WordNet project algorithm	Zygmunt Vetulani, Justyna Walkowska, Tomasz Obreński, Paweł Konieczka, Przemysław Rzepecki, Jacek Marciniak
Speech processing 3 (SP3) – systems		
SP3-1	Flexible Natural Language Generation in Multiple Contexts	Caroline Cullen, Ian O'Neill, Philip Hanna
SP3-2	Spoken Language Interface for Mobile Devices	João Freitas, António Calado, Maria João Barros, Miguel Sales Dias
SP3-3	Festival Based Maiden TTS System for Tamil Language	Sreekanth Majji, Ramakrishnan A. G.
SP3-4	Natural Language Processing for Tamil TTS	A. G. Ramakrishnan, Lakshmi N. Kaushik, Laxmi Narayana M.
17:30-19:00		
Communication 2 (CO2)		
CO2-1	Main principles of authoring educational hypermedia: lessons learned from the construction of the Web-resource "Russian Dialectal Phonetics"	Galina Kedrova, Valentine Kolybasova
CO2-2	Recognition of signed Polish words using visually-oriented subunits	Tomasz Kapuściński, Marian Wysocki
CO2-3	From language to pictorial representations	Gérard Ligozat, Jakub Nowak, Didier Schmitt
CO2-4	Context Identification: A Relational Database Approach	Zsolt T. Kardkovács, Katalin E. Lejtovicz, Gábor Kovács
WordNet Special Track 2 (WN2)		
WN2-1	Automatically converting and enriching a computational lexicon Ontology for NLP semantic tasks	Antonio Toral, Monica Monachini, Rafael Muñoz
WN2-2	Random-Walk Models of Term Semantics: An	Andrea Esuli, Fabrizio Sebastiani

	Application to Opinion-Related Properties	
WN2-3	Putting Semantics into WordNet's "Morphosemantic" Links	Christiane Fellbaum, Anne Osherson, Peter E. Clark
Speech processing 4 (SP4) – algorithms		
SP4-1	Modelling acoustic parameters of prosody in Slovak using Classification and Regression trees	Milan Rusko, Marián Trnka, Sachia Darjaa, Richard Kováč
SP4-2	Perception Experiments for Effective Unit replacement for Tamil TTS	A. G. Ramakrishnan, Laxmi Narayana M.
SP4-3	MVDR Spectral Estimation for DCT based Pitch Modification	R. Muralishankar, M. Ravi Shanker, A. G. Ramakrishnan
SP4-4	The relation between the structure and prosody of complex sentences in Hungarian	Ilona Koutny
Day 2: Saturday, October 6		
08:30-09:30		
Digital Language Resources 1 (RS1)		
RS1-1	PredicateDB: A tool for assisting the creation of a lexicon-grammar of Predicative Nouns	Mohamed Mahdi Malik, Jean Royauté
RS1-2	Extracting Collocations in Contexts	Amalia Todirascu, Christopher Gledhill, Dan Stefanescu
RS1-3	Argument co-occurrence matrix as a description of verb valence	Łukasz Dębowski, Marcin Woliński
Computational Semantics 2 (SE2)		
SE2-1	ARDICO: an Arabic Terminology-Ontological Resource Dedicated to Children Education	Aroua Torjmen, Mohamed Ben Ahmed, Elisabeth Métais
SE2-2	A Semantically Oriented Readability Checker for German	Tim vor der Brück, Sven Hartrumpf
SE2-3	Extracting coordinate terms from newspaper articles and patent documents	Yoshimi Suzuki, Fumiyo Fukumoto
Parsing 1 (PR1)		
PR1-1	Efficient parsing using recursive transition networks with output	Javier M. Sastre, Mikel L. Forcada
PR1-2	Innovative use of parameters in DCG-like logic grammars	Janusz S. Bień
PR1-3	Robustness Evaluation of Two CCG, a PCFG and a Link Grammar Parsers	Tuomo Kakkonen
10:45-12:15		
Digital Language Resources 2 (RS2)		
RS2-1	Toward a Standard Lexical Resource in the Bio Domain	Valeria Quochi, Riccardo Del Gratta, Eva Sassolini, Monica Monachini, Nicoletta Calzolari
RS2-2	LMF-QL: A Graphical Tool to Query LMF databases	Mehdi Ben Abderrahmen, Bilel Gargouri, Mohamed Jmaiel
RS2-4	Novelty extraction from special and parallel corpora	Elżbieta Dura, Barbara Gawrońska
Computational Semantics 3 (SE3)		
SE3-1	Automatic Acquiring of Semantic Relations From Text Collection	Wiktor Dernowicz
SE3-2	The DANTE Temporal Expression Tagger	Paweł Mazur, Robert Dale
SE3-3	Capturing The Meaning of Time Expressions — A Functional Approach	Petr Němec
SE3-4	The structure of verbal sequences analyzed with unsupervised learning techniques	Catherine Recanati, Nicoleta Rogovschi, Younes Bennani
Parsing 2 (PR2)		

PR2-1	A Hybrid System for Named Entity Metonymy Resolution	Caroline Brun, Maud Ehrmann, Guillaume Jacquet
PR2-2	Heuristic Disambiguation of Deverbal Nominals in Greek	Vassiliki Rentoumi, Stasinos Konstantopoulos
PR2-3	SPADE: Shallow Parsing and Disambiguation Engine	Adam Przepiórkowski, Aleksander Buczyński
PR2-4	The Polsyn Parser	Nina Suszczańska, Krzysztof Simiński
14:00-14:15		
Presentation of Polish Platform for Homeland Security		
HSP-0	Polish Platform for Homeland Security	Emil Pływaczewski, Zbigniew Rau
14:15-15:00		
Applications for Homeland Security (HSP)		
HSP-1	Intelligent Awareness: Event Extraction, Information Evaluation & Risk Assessment	Philippe Capet, Thomas Delavallade, Julien Jacquelinet, Claude Martineau, Takuya Nakamura, Aude Rebotier, Ágnes Sándor, Stavroula Voyatzi
HSP-2	On the Modelling of Money Laundering Techniques as Courses of Events	Jacek Martinek, Czesław Jędrzejek
HSP-3	Towards the Homeland Security Topical Ontology - a Core Layer Specification	Jolanta Cybulka
15:00-15:45		
Polish Platform for Homeland Security Poster Presentations (PO1)		
PO1-1	Cryptographic algorithms for efficient security of data flow in information system	Tomasz Bilski, Krzysztof Bucholc, Krzysztof Chmiel, Tadeusz Gajewski, Anna Grocholewska-Czuryło, Ewa Idzikowska, Janusz Stokłosa
PO1-2	Multimedia System Supporting Identification and Combating Crime and Terrorism	Andrzej Czyżewski, Piotr Szczuko
PO1-3	Emergency telephone conversations database with signal analysis, classification, and identification facilities	Adam Dąbrowski, Szymon Drgas
PO1-4	Verbal information processing and speech recognition technologies in internal security systems	Grażyna Demenko, Stefan Grocholewski
PO1-5	Intelligent Search Engine for Court Records Based on Text Processing Experience	Andrzej Dziech, Tomasz Ruś, Remigiusz Baran, Andrzej Zeja
PO1-6	PPBW - Knowledge and information management in high security level services	Gerard Frankowski, Cezary Mazurek, Norbert Meyer, Maciej Stroiński, Marcin Wolski
PO1-7	A tool supporting investigation procedures by means of automatic reasoning	Czesław Jędrzejek, Jarosław Bąk, Maciej Falkowski, Jacek Martinek, Arkadiusz Ryś
PO1-8	Information Extraction Tools for Polish Text	Wiesław Lubaszewski
PO1-9	Application of Artificial Intelligence Methods and Agent-based Technologies to Support Investigatory Activities and Proof Procedures with Emphasis on Internet Crimes	Edward Nawarecki, Grzegorz Dobrowolski
PO1-10	A mobile, network-centric system of supporting police operational work	Mikołaj Sobczak
PO1-11	Natural-language-based communication between human users and emergency center in critical situations. POLINT-112	Zygmunt Vetulani
Demo Session (DEMO)		
DEMO-1	Intelligent Awareness: Event Extraction, Information Evaluation & Risk Assessment (HSP-1 demonstration)	Philippe Capet, Thomas Delavallade, Julien Jacquelinet, Claude Martineau, Takuya Nakamura, Aude Rebotier, Ágnes Sándor, Stavroula Voyatzi
DEMO-2	Novelty extraction from special and parallel corpora (RS2-4 demonstration)	Elżbieta Dura, Barbara Gawrońska

DEMO-3	Translation applications under the SisHiTra framework (MT1-2 demonstration)	J. González Rubio, J. González, Antonio L. Lagarda, A. Giménez, J. R. Navarro, F. Casacuberta
DEMO-4	DEB Platform tools for effective development of WordNets in application to PolNet	Aleš Horák, Karel Pala, Tomasz Obrębski, Przemysław Rzepecki, Paweł Konieczka, Jacek Marciniak, Adam Rambousek, Zygmunt Vetulani, Justyna Walkowska
DEMO-5	The DANTE Temporal Expression Tagger (SE3-2 demonstration)	Paweł Mazur, Robert Dale
DEMO-6	New Polish tests for measuring speech intelligibility	Edward Ozimek, Dariusz Kutzner, Aleksander Sęk, Andrzej Wicher
DEMO-7	Software "Self-Tutor for Foreign Languages"	Pavel Pankov, Polina Dolmatova
DEMO-8	Environment Supporting Construction of the Polish Wordnet	Maciej Piasecki, Paweł Koczan
DEMO-9	A DCG account of Polish relative constructions (PR4-2 demonstration)	Marek Świdziński
DEMO-10	PolNet project methodology and results - demo	Zygmunt Vetulani, Paweł Konieczka, Jacek Marciniak, Tomasz Obrębski, Justyna Walkowska
DEMO-11	POLINT 112-SMS	Zygmunt Vetulani, Krzysztof Sielski, Mariusz Tański
16:00-17:00		
Open Panel Discussion: Human Language Technologies in Application to Homeland Security - Vision and Prospects		
PANEL-1	Chairman's Statement (PDF)	Dafydd Gibbon
Day 3: Sunday, October 7		
09:00-10:30		
Digital Language Resources 3 (RS3)		
RS3-1	"Die Fackel" and "Der Brenner": Online Digital Editions of Literary Journals in the "AAC - Austrian Academy Corpus"	Hanno Biber, Evelyn Breiteneder, Karlheinz Mörth
RS3-2	Construction of Text Corpus of Polish Using the Internet	Sławomir Kulików
RS3-3	A Corpus and Lexical Resources for Multi-word Terminology Extraction in the Field of Economy in a Minority Language	Fco. Mario Barcala Rodríguez, Eva Domínguez Noya, Pablo Gamallo Otero, Marisol López Martínez, Eduardo Miguel Moscoso Mato, Guillermo Rojo, María Paula Santalla del Río, Susana Sotelo Docío
Information Retrieval/Extraction 3 (IR3)		
IR3-2	A Survey on Human Language Technology Terminology	Gabriella Pardelli, Manuela Sassi, Sara Goggi
IR3-3	Automatically Determining Attitude Type and Force for Sentiment Analysis	Shlomo Argamon, Kenneth Bloom, Andrea Esuli, Fabrizio Sebastiani,
IR3-4	Developing a Definitional Knowledge Extraction System	Rodrigo Alarcón, Gerardo Sierra, Carme Bach
Language Formalisms 1 (FO1)		
FO1-1	Applying pregroups for natural language processing	Aleksandra Kiślak-Malinowska
FO1-2	From TYn to DRT: an implementation	Patrick Blackburn, Sebastien Hinderer
FO1-3	An algebraic approach of the Chinese sentence with Pregroups	Daniela Bargelli
11:30-13:00		
Information Retrieval/Extraction 4 (IR4)		
IR4-1	LSA as an associative text retrieval tool	Agnieszka Figiel
IR4-2	Result Aggregation for Knowledge-Intensive Multicultural Name Matching	Keith J. Miller, Mark Arehart
IR4-3	Usability of String Distance Metrics for Name Matching Tasks in Polish	Jakub Piskorski, Marcin Sydow

Computational Morphology 2 (MR2)		
MR2-1	ROG - A Paradigmatic Morphological Generator for Romanian	Elena Irimia
MR2-2	Grammar-Based Speech and Word splitting	Ildar Kagirov, Anastasia Leontyeva
MR2-3	Treatment of Numerals in Text Processing	Cvetana Krstev, Duško Vitas
MR2-4	Building a morphosyntactic lexicon and a pre-syntactic processing chain for Polish	Benoit Sagot
Parsing 3 (PR3)		
PR3-1	Syntactic spreadsheets. In search for a human-readable representation of parse tree forests.	Janusz S. Bień
PR3-2	Reducing the Number of Resulting Parsing Trees for the Czech Language Using the Beautified Chart Method	Vojtěch Kovář, Aleš Horák
PR3-3	Efficient Encoding of Parsed Natural Language Text	Jakub Swacha
PR3-4	Using of the Constituent Context Model to Induce a Grammar for a Free Word Order Language: Persian	Seyed Abolghassem Mirroshandel, Gholamreza Ghassem-Sani, Mohamadali Honarpisheh
14:15-16:00		
Machine Translation 1 (MT1)		
MT1-1	Data Sparsity Reduction in Statistical Machine Translation From Highly Inflected Language to English	Mirjam Sepesy Maučec, Janez Brest
MT1-2	Translation applications under the SisHiTra framework	J. González Rubio, J. González, A. L. Lagarda, A. Giménez, J. R. Navarro, F. Casacuberta
MT1-3	The contribution of <i>hapax legomena</i> to word alignment	Adrien Lardilleux, Yves Lepage
MT1-4	Using a Treebank Grammar for the Syntactical Annotation of German Lexical Phrases	Marcin Junczys-Dowmunt, Filip Graliński
MT1-5	The Use of Syntactic and Semantics Valences of the Verb for Formal Delimitation of Verb Word Phrases	Ali Abbasov, Abulfat Fatullayev
Parsing 4 (PR4)		
PR4-1	On the evaluation of Polish definition extraction grammars	Adam Przepiórkowski, Łukasz Degórski, Beata Wójtowicz
PR4-2	A DCG account of Polish relative constructions	Marek Świdziński
PR4-3	Disfluency Detection and Parsing of Transcribed Speech of Estonian	Kaili Müürisep, Helen Nigol
PR4-4	Mining Parsing Results for Lexical Corrections	Lionel Nicolas, Jacques Farré, Éric de la Clergerie
PR4-5	A Model for Processing Procedural Texts Parsing	Estelle Delpech, Patrick Saint Dizier
Information Retrieval/Extraction 5 (IR5)		
IR5-1	Web based Factoid type Question Answering System For Tamil Documents - A Term Based Approach	S Lakshmana Pandian, T.V. Geetha
IR5-2	Analogies of form between chunks in Japanese are massive and far from being misleading	Yves Lepage, Julien Migeot, Erwan Guillerm
IR5-3	Semi-Automatic Creation of a Dictionary of Nominal Compounds	Tomasz Stepień, Bartosz Podlejski