

International Workshop

**IN SEARCH OF THE COMMON GROUND  
BETWEEN THE DISTRIBUTED GRAMMAR MODEL  
AND THE THEORY OF GROUNDING OF MODAL STATEMENTS**

*organised by*

Université Paris-Sorbonne  
**Centre de Linguistique Théorique et Appliquée (CELTA)**

&

Wroclaw University of Technology (WRUT)  
Faculty of Computer Science and Management  
**Semantic Systems Engineering Group**

on

***13-18 September 2013***

at

Maison de la Recherche de l'Université Paris-Sorbonne, **room D 117**  
28 rue Serpente, 75006 PARIS (metro Odéon)

**General Objective:**

Analysis of possibilities of an application of the distributed grammar model (AS-MIC theory developed at CELTA) to a task of knowledge extraction from data bases of information systems.

**Subobjectives:**

1. Direct consultations with authors of the distributed grammar model.
2. Reaching the common ground between the distributed grammar model (developed at CELTA) and the theory of grounding of modal statements (developed at WRUT).
3. Investigation of a relation between knowledge extraction task (WRUT) and a problem of linearization of a linguistic representation (CELTA).
4. An essential extension of knowledge and overall improvement of substantial competences in the area of application of novel linguistic models in technical sciences.

**Participants:**

**WRUT**

Prof. dr ing. hab. Radosław Katarzyniak  
Dr ing. Grzegorz Popek  
Dr Tomasz Kapłon  
mgr Katarzyna Kapłon (international programme management)

**CELTA**

Prof. dr hab. André Włodarczyk  
Prof. dr hab. Hélène Włodarczyk  
Dr Olivier Azam

**and**

Dr Jean-Christophe Pitavy (Université de Saint Étienne)  
Prof. dr hab. Franz J. Stachowiak (Neurolinguistics, Universität Giessen - Germany & Charles Sturt University Albury, Australia)

## Workshop Programme

### *Friday 2013/09/13*

#### **Theme: Modality and Information**

09:45-10:30	Radosław Katarzyniak: Grounding of Modal Statements
10:30-11:15	Grzegorz Popek: Modality of Fuzzy Statements
11:15-12:00	André Włodarczyk: Information, Para-Information and Meta-Information

12:00-14:00 Lunch

#### **Theme: Situations, Scenarios and Aspects**

14:00-14:45	André Włodarczyk: Frames of Semantic Situations
14:45-15:30	Radosław Katarzyniak: Pseudo-present and Other Scenarios
15:30-16:15	Hélène Włodarczyk: The Semantics of Aspect
16:15-17:00	Tomasz Kapłon: Pole Uwagi a Generowanie Języka

### *Monday 2013/09/16*

#### **Theme: Centering and Grounding of Linguistic Messages**

09:45-10:30	Radosław Katarzyniak: The Language Grounding Problem
10:30-11:15	André Włodarczyk: Meta-Informative Centering Theory
11:15-12:00	Hélène Włodarczyk: The Meta-Informative Contributions of Aspect to the Meaning of Utterances

12:00-14:00 Lunch

#### **Theme: Integration of Distributed Grammar and Grounded Modal Statements**

14:00-14:45	André Włodarczyk: Distributed Grammar
14:45-15:30	Radosław Katarzyniak: Modelling semantics of modal conditionals in artificial agents
15:30-16:15	Grzegorz Popek: Modelling semantics of modal fuzzy statements in artificial agents.
16:15-17:00	Discussion

### *Tuesday 2013/09/17*

#### **Theme: Attention in Communication**

09:45-10:30	Franz Stachowiak: Tracing the Role of Memory and Attention for the Meta-Informative Validation of Utterances
10:30-11:15	Hélène Włodarczyk: Attention-centered Information in Utterances
11:15-12:00	André Włodarczyk: Attention as a Selector of Distributed Representations

12:00-14:00 Lunch

#### **Theme: Unification of Modality Grounding Theory with Distributed Grammar**

14:00-14:45	André Włodarczyk: Associative Semantics Formalism
14:45-15:30	Discussion: Grounding of Modal Statements Formalism
15:30-16:15	Discussion: Inegration and Unification of both Formalisms
16:15-17:00	Discussion: Inegration of the MIC-theoretical Solutions

**Wednesday 2013/09/18**

**Theme: Meta-informative Centering in Languages**

09:45-10:30	Jean-Christophe Pitavy: Impersonal Constructions, Dative and Meta-Informative Structure in Ancient Greek
10:30-11:15	Olivier Azam: Meta-Informative Criteria which Determine the Enunciator's Choice of a Particular Word Order and Prosodic Realisation of Object and Reflexive Pronouns in Modern Literary Russian
11:15-12:00	Discussion

12:00-14:00 Lunch

**Theme: Meta-Informative 'Old' and 'New' Status and their Motivations**

14:00-14:45	Franz Stachowiak: Semantic and episodic memory by reference to the ontological grounding of the old and new meta-informative status
14:45-15:30	André Włodarczyk: $\Sigma$ - and $\Pi$ -Situations with respect to Typicality
15:30-16:15	Hélène Włodarczyk: Nominal Determination, Word-Order and Meta-informative Status
16:15-17:00	Conclusion