

**2nd INTERNATIONAL PhD SCHOOL
IN LANGUAGE AND SPEECH TECHNOLOGIES 2006-2008**

Rovira i Virgili University
Research Group on Mathematical Linguistics
Tarragona, Spain

<http://www.grlmc.com>

FOUNDATIONAL COURSES (MARCH–APRIL 2007)

<i>Foundations of Linguistics I: Morphology, Lexicon and Syntax</i>	Gemma Bel-Enguix (Tarragona)
<i>Foundations of Linguistics II: Semantics, Pragmatics and Discourse</i>	M. Dolores Jiménez-López (Tarragona)
<i>Formal Languages</i>	Carlos Martín-Vide (Tarragona)
<i>Declarative Programming Languages: Prolog, Lisp</i>	various researchers at the host institute
<i>Procedural Programming Languages: C, Java, Perl, Matlab</i>	various researchers at the host institute

MAIN COURSES (MAY–JULY AND SEPTEMBER–DECEMBER 2007)

<i>Anaphora Resolution</i>	Ruslan Mitkov (Wolverhampton)
<i>Annotating Time: Representational and Analytical Issues</i>	Branimir Boguraev (IBM Research, Yorktown Heights NY)
<i>Basics of Statistical Speech Recognition</i>	Frederick Jelinek (Baltimore MD)
<i>Computational Morphology</i>	Harald Trost (Vienna)
<i>Discriminative Learning of Sequence and Parsing Models</i>	Fernando Pereira (Philadelphia PA)
<i>Empirical Approaches to Word Sense Disambiguation, Semantic Role Labeling, Semantic Parsing, and Information Extraction</i>	Raymond Mooney (Austin TX)
<i>Foundations of Computational Semantics</i>	Shalom Lappin (London)
<i>Human and Machine Translation</i>	Martin Kay (Stanford CA)
<i>Information Extraction I</i>	Ralph Grishman (New York NY)
<i>Information Extraction II</i>	Guy Lapalme (Montréal QC)
<i>Language Processing for Human-Machine Dialogue Modelling</i>	Yorick Wilks (Sheffield)
<i>Linguistic Corpora as Resources for Language Engineering</i>	Udo Hahn (Jena)
<i>Machine Learning Approaches to Developing Language Processing Modules</i>	Walter Daelemans (Antwerpen)
<i>Multimodal Speech-Based Interfaces</i>	Elisabeth André (Augsburg)

<i>Natural Language Generation from a Cognitive Perspective</i>	Michael Zock (Marseille)
<i>Natural Language Processing Pragmatics: Probabilistic Methods and User Modeling Implications</i>	Ingrid Zukerman (Clayton)
<i>Ontology Engineering: From Cognitive Science to the Semantic Web</i>	M. Teresa Paziienza (Roma)
<i>POS Tagging, Chunking, and Shallow Parsing</i>	Yuji Matsumoto (Nara)
<i>Question Answering</i>	Bernardo Magnini (Trento)
<i>Search Methods in Natural Language Processing</i>	Helmut Horacek (Saarbrücken)
<i>Spoken Dialogue Systems</i>	Diane Litman (Pittsburgh PA)
<i>Statistical Machine Translation</i>	Reinhard Rapp (Tarragona)
<i>Text Mining for Knowledge Acquisition in the Biomedical Domain</i>	Lynette Hirschman (Mitre, Bedford MA)
<i>Time in Language: Formal and Computational Approaches</i>	Inderjeet Mani (Mitre, Bedford MA)
<i>Types and Semantic Roles in the Lexicon</i>	James Pustejovsky (Waltham MA)
<i>Words, Meanings, and Emotions</i>	Rada Mihalcea (Dallas TX)

OPTIONAL COURSES (FROM THE 6th INTERNATIONAL
PHD SCHOOL IN FORMAL LANGUAGES AND APPLICATIONS)

<i>Mildly Context-Sensitive Grammars</i>	Henning Bordihn (Potsdam)
<i>Tree Adjoining Grammars</i>	James Rogers (Richmond IN)
<i>Unification Grammars</i>	Shuly Wintner (Haifa)
<i>Context-Free Grammar Parsing</i>	Giorgio Satta (Padua)
<i>Probabilistic Parsing</i>	Mark-Jan Nederhof (Groningen)
<i>Categorial Grammars</i>	Michael Moortgat (Utrecht)
<i>Grammatical Inference</i>	Colin de la Higuera (Saint-Étienne)
<i>Natural Language Processing with Symbolic Neural Networks</i>	Risto Miikkulainen (Austin TX)

STUDENTS:

Candidate students for the programme are welcome from around the world. Most appropriate degrees include Computer Science and Linguistics. Other students (for instance, from Psychology, Logic, Engineering or Mathematics) could be accepted depending on the strengths of their undergraduate education. The first two months of classes are intended to homogenize the students' varied background in linguistics, formal languages and programming languages.

In order to check eligibility for the programme, the student must be certain that the highest university degree s/he got enables her/him to be enrolled in a doctoral programme in her/his home country.

TUITION FEES:

2,120 euros in total, approximately.

DISSERTATION:

After following the courses, the students enrolled in the programme will have to defend a research project and, later, a dissertation in English in their own area of interest, in order to get the so-called European PhD degree (which is a standard PhD degree with an additional mark of quality). All the professors in the programme will be allowed to supervise students' dissertations, as well as any other well-reputed scientist at the discretion of the host institute.

FUNDING:

The university will cover the tuition fees and full-board accommodation expenses of all admitted students during the first term. For the second one, funding opportunities will be provided, among others, by the Spanish Ministry for Education and Science, the Spanish Ministry for Foreign Affairs and Cooperation (Becas MAEC-AECI), and the European Commission (Alban scheme for Latin American citizens).

Immediately after the courses and during the writing of the PhD dissertation, some of the best students will be offered 4-year research fellowships, which will allow them to work in the framework of the host institute.

PRE-REGISTRATION PROCEDURE:

In order to pre-register, one should post (not fax, not e-mail) to the programme chairman:

- a xerocopy of the main page of the passport,
- a xerocopy of the university education diplomas,
- a xerocopy of the academic transcripts,
- full CV,
- letters of recommendation (optional),
- any other document to prove background, interest and motivation (optional).

SCHEDULE:

Announcement of the programme:	August 11, 2006
Pre-registration deadline:	October 23, 2006
Selection of students:	October 30, 2006
Starting of the 1st term:	March 5, 2007
End of the 1st term:	July 27, 2007
Starting of the 2nd term (tentative):	September 3, 2007
End of the 2nd term (tentative):	December 21, 2007
Defense of the research project (tentative):	September 13, 2008
DEA examination (tentative):	May 16, 2009

QUESTIONS AND FURTHER INFORMATION:

Contact the programme chairman, Carlos Martín-Vide, at carlos.martin@urv.cat

POSTAL ADDRESS:

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