

*This is an exciting time to be working in speech and language processing.*

*D. Jurafsky & J. H. Martin*

## The EM LCT Program

A consortium of seven universities in Europe is offering a comprehensive joint Masters study program in the area of Language and Communication Technologies (LCT). The EM LCT program combines **introductory** and **advanced** courses in linguistics, computational linguistics, computer science and artificial intelligence. The EM LCT program is endorsed by pioneering industrial and academic partners such as Google, IBM, Nuance, XEROX, CELI, ITC, DFKI, FBK, LORIA, EAACL, CoLogNET, Folli, and the Italian Association for Artificial Intelligence.

*Saarland University*



## Double Master degrees

The EM LCT involves studying one year each at two different European universities of the consortium. An internship in industry or at a research institute is encouraged. After completing all study requirements, the student obtains two Master of Science/Arts degrees approved in the countries of issue. All courses are taught in **English**.



*Graduation Ceremony, Malta, 2010*

## Objectives

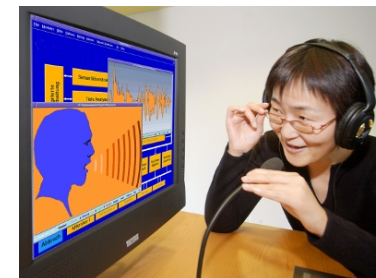
The EM LCT program strives to meet the **demands of industry and research** in the rapidly growing area of language technology. It offers education and training opportunities for the next generations of leaders in research and innovation. Graduates of the EM LCT program find **attractive jobs** in both academia and industry.

## Modules, topics and applications

The EM LCT curriculum consists of introductory and advanced, compulsory and optional courses, grouped into Language Technology and Computer Science modules, complemented by a project and a Masters thesis, for a total of 120 ECTS credits.

Some of the **topics** and **applications** are:

- ✓ Statistical and symbolic methods, machine learning
- ✓ Finite state techniques
- ✓ Computational morphology, syntax, semantics and pragmatics
- ✓ Data structures and organisation
- ✓ Formal languages and algorithms
- ✓ Machine translation, cross-lingual information retrieval, speech recognition, question answering, semantic web, computational psychology and multi-modal interfaces





## The EM LCT Consortium

- Department of Language Science and Technology, Saarland University, **Germany (Coordinator)**
- Center for Mind/Brain Sciences, Department of Information Engineering and Computer Science and the Department of Psychology and Cognitive Sciences, University of Trento, **Italy**
- Department of Intelligent Computer Systems, Faculty of Information and Communication Technology, University of **Malta**
- Faculty of Mathematics and Informatics, University of Lorraine, Nancy, **France**
- Faculty of Mathematics and Physics, Charles University in Prague, **Czech Republic**
- Faculty of Arts, University of Groningen, **The Netherlands**
- Faculty of Informatics, The University of the Basque Country, San Sebastián, **Spain**



## Contact Information

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*LCT -- European Masters Program in  
Language & Communication Technologies*

