

# European Masters Program in Language & Communication Technologies



<http://lct-master.org>



*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 leading language and communication technology (LCT) departments in Europe offers a comprehensive joint Master study program. The EM LCT program combines **introductory** and **advanced** courses in linguistics, computational linguistics, computer science and artificial intelligence.

The EM LCT program exists since 2007. It is endorsed by pioneering industrial and academic partners, including Google, IBM, Nuance, Xerox, CELI, ITC, DFKI, LORIA and FBK, EAACL, CoLogNET, Folli, and the Italian AI Association.

Eligible students from all countries can apply. Background requirements, information about participation fees, application forms and further information are available on the program's website.

*Saarland University*



## Double Master Degree

The EM LCT program 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**. Local language courses are available for those interested.

*Graduation Ceremony, Malta, 2010*



## Objectives

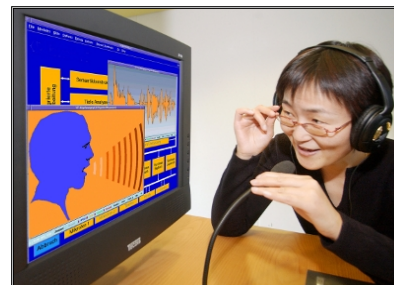
The EM LCT program strives to meet the **demands of industry and research** in the rapidly growing area of language technology. It offers education and training opportunities for the next generations of leaders in research and innovation. Graduates of the program find **attractive jobs** in both academia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

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



## Partners of the EM LCT Consortium



Department of Language Science and Technology, Saarland University, **Germany (Coordinator)**



University of Lorraine, Nancy, **France**



Department of Intelligent Computer Systems, Faculty of Information and Communication Technology, University of **Malta**



Faculty of Mathematics and Physics, Charles University, Prague, **Czech Republic**



Faculty of Arts, University of Groningen, **The Netherlands**



Center for Mind/Brain Sciences, Department of Information Engineering and Computer Science and the Department of Psychology and Cognitive Sciences, University of Trento, **Italy**



Faculty of Informatics, The University of the Basque Country, San Sebastian, **Spain**

## Contact Information

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