

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 9 university departments in Europe, China and Australia is offering you an M.Sc. study program in the area of Language and Communication Technologies, as one of the most comprehensive such programs combining **background** and **advanced** courses in (Computational) Linguistics, Computer Science and Artificial Intelligence.

The EM LCT is endorsed by pioneering industrial and academic partners such as XEROX, DFKI, IBM, ScanSoft, CELI, ITC, LORIA, EACL, CoLogNET, Folli, and the Italian Association for Artificial Intelligence.

Saarland University



Two MSC degrees

The EM LCT involves studying one year each at two different universities of the consortium. After completing all study requirements, the student obtains two already approved Master of Science/Arts degrees with legal value in the countries of issue. All courses are taught in **English**.



Graduation Ceremony, Malta, 2010

Objectives

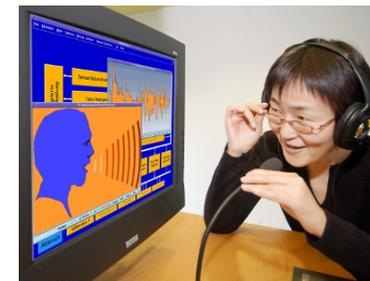
The EM European Masters Program in Language and Communication Technologies (LCT) is designed to meet the demands of industry and research in a rapidly growing area. It offers education and training opportunities for the next generations of leaders in research and innovation.

Modules, topics and applications

The course consists of compulsory and advanced modules in Language Technology and Computer Science 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
- ✓ 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 Computational Linguistics, Saarland University, **Germany (Coordinator)**
- Department of Information Engineering and Computer Science, Faculty of Cognitive Sciences, University of Trento, **Italy**
- Department of Intelligent Computer Systems, Faculty of Information and Communication Technology, University of **Malta**
- EM European Masters in LCT, 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 Sebastian, **Spain**
- Computer Science and Engineering Department, Research Lab for Language Technology, Shanghai Jiao Tong University, **China**
- Department of Computer Science and Software Engineering, Language Technology, University of Melbourne, **Australia**



Universidad del País Vasco
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Language & Communication Technologies*