



**Grenoble Informatics
Laboratory**

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**Study Group for Machine
Translation and Automated
Processing of Languages and Speech**

Research topics relevant to HLU

- Automatic speech transcription and translation
- Automatic and interactive processes for meaning clarification
- Collection and interoperability of multilingual lexical resources
- Processing of under-resourced languages
- Computer aided translation (CAT)

Application areas

- Multilingual information access
- Social robotics
- Assistive technologies

Project idea for CHIST-ERA 2014 HLU

- Linked semantic / lexical resources for text and speech understanding
- LIG's DBnary : multilingual lexical data extracted from Wiktionary (Bulgarian, English, Finnish, French, German, Greek, Italian, Japanese, Portuguese, Russian, Spanish, Turkish)
- Use case 1 : Text understanding and disambiguation for machine translation
- Use case 2 : Mining and understanding multilingual spoken language data