



NATURAL LANGUAGE AND SPEECH PROCESSING

Master MoSIG

Artificial Intelligence and the Web

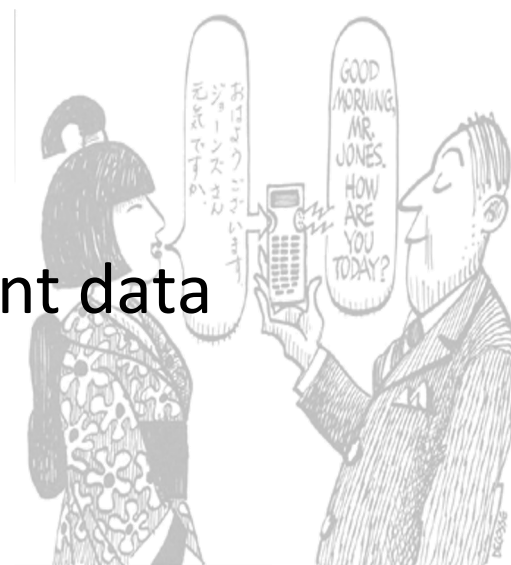
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Research topics



- Natural Language Processing (NLP)
- Machine Translation (MT)
- Computer Assisted Translation
- Speech Translation
- Spoken Interaction
- Sense Disambiguation
- Paralinguistics / Social Speech
- Automatic summarization of ambient data
- Multilingual Resources
- Low Resource Languages
- Deep Learning



Application areas (current projects \approx 1M€)

-  Multilingual information access
-  Robotics
-  Assistive technologies

Members

-  14 permanent staff (1 Prof., 11 Ass. Prof., 3 researchers)
-  16 PhD theses in progress – more to come

Group leader

-  {*Laurent.Besacier*, Francois.Portet}@univ-grenoble-alpes.fr

Program of the module

Week	Speaker	Content
09/30	Hervé Blanchon	Team, Outline, Introduction (1/2)
10/07	Hervé Blanchon	Introduction (2/2)
10/14	Didier Schwab	Embeddings
10/21	Hervé Blanchon	Info. theory, Statistical Machine Translation (1/2)
10/28	XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
11/04	Hervé Blanchon	SMT (2/2)
11/11	XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
11/18	Didier Schwab	Word Sense Disambiguation
11/25	Laurent Besacier	Neural Nets, Neural Machine Translation (1/2)
12/02	Laurent Besacier	Neural Machine Translation (2/2)
12/09	Laurent Besacier	Automatic Speech Recognition (HMM/Ngram)
12/16	Laurent Besacier	Automatic Speech Recognition (Neural)
12/23-12/30	XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
01/06	Hervé Blanchon	Machine Translation Evaluation
01/13	Hervé Blanchon	Comparing SMT and NMT behaviors and performances

Website for the module

<http://lig-membres.imag.fr/blanchon/SitesEns/NLSP/>
