

## Workshop

# "Similarity from Distinct Point of Views"

## PhD program "Empirical Speech and Language Processing"

San Servolo, Venice, 11<sup>th</sup> - 16<sup>th</sup> October 2010

Notions of "similarity", or its neighbour "near-identity", appear in many disciplines. In this workshop we want to look at the problem of defining, understanding, formalizing, recognizing, and exploiting similarity from an interdisciplinary point of view.

Contributions to the workshop are expected from, but not limited to the following topics

### Computer Linguistics

- similarity of words
- similarity of documents

### Computational Statistics

- grouping similar objects using cluster algorithms
- low-dimensional representations via multidimensional scaling

### Media Informatics

- similarity as a concept in user interfaces
- construction of complex systems by re-using similar systems

### Phonetics and Speech Processing

- similarity in speech production and perception
- invariance and variability in human and machine speech processing

### Comparative Linguistics

- origins of linguistic similarity
- description of similarity between languages

### Organisation of the workshop

Following a practical approach, workshop participants are asked to report on instances of research in their own fields related to questions of similarity and/or near-identity.

### Schedule (planned)

11 <sup>th</sup> Oct. 2010	travel and registration
12 <sup>th</sup> - 13 <sup>th</sup> Oct. 2010	workshop "Similarity from Distinct Points of View"
14 <sup>th</sup> - 15 <sup>th</sup> Oct. 2010	colloquium of the PhD program ESP

### Venue

The workshop will be held on the island of San Servolo in Venice, Italy. Accommodations are available on the island.

### Contact

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