Interdisciplinary Laboratory on Interacting Knowledge Systems

ILIKS

a Joint European Laboratory

http://www.loa-cnr.it/iliks/

ILIKS   Partners

- **IRIT**   CNRS, UPS, INPT, UT1
  Institut de Recherche en Informatique de Toulouse

- **ISTC**   CNR
  Istituto delle Scienze e Tecnologie della Cognizione

- **DIT, DISCOF, DISA**   UNITN
  Dipartimenti di: Informatica e Telecomunicazioni, Scienze della Cognizione e della Formazione, Informatica e Studi Aziendali

- SRA, TCC   ITC-IRST

ILIKS   IRIT

- 20 Researchers involved
- Logic, Interaction, Language and Computation (LILaC)
- Raisonnements Plausibles, Décision, Méthodes de Preuves (RPDMP)
- Conception de Systèmes Coopératifs (CSC)
- Systèmes d'Informations Généralisés (SIG)
- Assistance à la Certification d'Applications DIstribuées et Embarquées (ACADIE)
- Image Processing and Understanding (TCI)

ILİKS   ISTC

- 23 Researchers involved
- Laboratory of Applied Ontology (LOA)

  Trento and Rome

- Division of Artificial Intelligence, Cognitive Modelling and Interaction (IAMCI)

  Rome

- Trust: Theory and Technology (T3)

  Rome

- Sign Language Laboratory (SLL)

  Rome

ILIKS   UNITN

- 23 Researchers involved

- DIT: Department of Information and Communication Technologies
  - Research program on *Information and Knowledge Management*
  - Research program on *Data Mining and Learning Systems*

- DISA: Department of Computer and Management Sciences
  - Group ROCK (*Research on Organization, Coordination and Knowledge*)
  - Group of *NetEconomy*

- DISCOF: Department of Cognitive and Education Sciences

ILIKS   Objectives

- Interacting Knowledge Systems, for building a society of intelligent agents

- Interdisciplinary approach for studying the theoretical bases of interaction and interacting systems

    Computer Science, Logic, Cognitive Sciences, Philosophy, Linguistics, Economy

ILIKS Areas

1. **Agents and Mental Attitudes**

   Modelling cognitive agents

2. **Social Relationships and Organizations**

   Understanding the collective dimension

3. **Actions and Plans**

   Reasoning to act

4. **Interaction and Communication**

   Analyzing the structure of interaction

5. **Lexicon, Ontologies, Semantic Interoperability and Information Extraction**

   Getting the contents of communication right

ILIKS Results

- Collaborative work in all areas and 10+7 joint papers
- 1 joint project: MOSTRO

- New members and groups have joined us
- 2 new joint projects have started
  - TOCAI (ISTC & UNITN & others)
  - FOR-TRUST (IRIT & ISTC & others)
- Many new possible collaborative works are appearing

ILIKS Thanks!

- To all institutional actors who are supporting our collaboration

- To Johan van Benthem and Achille Varzi who have accepted to join us as Directive Committee members, and give invited lectures

- To the Area Chairs whose great job gave flesh to this meeting: Andreas Herzig, Alessandro Oltramari, Claudio Masolo, Emanuele Bottazzi, Jerôme Lang, Massimo Poesio, Nathalie Aussenac-Gilles

- To all the speakers

- To all of you who are making ILIKS alive and scientifically active

ILIKS   Meeting Overview

- Today
  - 14:15 Area 4 "Interaction and Communication"
  - 16:00 Johan van Benthem's invited talk
  - 17:00 Area 1 "Agents and mental attitudes"
  - 20:00 social dinner, Maso Bergamini
- Tomorrow
  - 9:00 Achille Varzi's invited talk
  - 10:30 Area 3 "Actions and Plans"
  - 14:00 Area 2 "Social relationships and organizations"
  - 15:55 Area 5 "Lexicon, ontologies, semantic interoperability and information extraction"
  - 17:40 General Discussion