Integration and Transfer of Action and Language Knowledge Workshop

Rome, 22-24 September 2008
Università degli Studi Roma TRE
Piazza della Repubblica, 10

MONDAY 22 SEPTEMBER 2008 – *Aula III, second floor*

13:00-13:30 Welcome

Chair: G. Sagerer

13:30-14:15	**A. Cangelosi** (Plymouth University, UK)
	Welcome and introduction to RoadMap on the Integration of Action and Language in Robots
14:15-15:00	**C. Nehaniv** (Hertfordshire University, UK)
	Robot Learning of Holophrases, Words and Proto-Grammar from Simulated Babbling and Physical Interaction
15:00-15:45	**S. Nolfi** (Institute of Cognitive Sciences and Technologies –CNR, IT)
	Co-development of behavioural and cognitive skills

15:45-16.15 Coffee break

Chair: S. Nolfi

16:15-17:00	**L. Fadiga** (Italian Institute of Technology, IT)
	From hand actions to speech: evidence and speculations
17:00-17:45	**G. Sagerer** (Bielefeld University, DE)
	Bielefeld Vision for Roadmap
17:45-18:30	**K. Fischer** (Southern Denmark University, DK)
	The Challenges of Grammar Learning in the ITALK Project
18:30-19:00	*(*ITALK Consortium Meeting)

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TUESDAY 23 SEPTEMBER 2008 – *Aula I, second floor*

Chair: C. Nehaniv

09:00-09:45   **A. Glenberg** (Wisconsin University, USA)

Who needs categories? Concepts from episodic representations

09:45-10:30   **I. Pepperberg** (Harvard University, USA)

Grey parrot (psittacus erithacus) vocal learning: creation of new labels from existing vocalizations and issues of imitation

10:30-11:15   **J**. **Tani** (RIKEN Brain Science Institute, Japan)

Emergence of Functional Hierarchy in a Multiple Timescales Recurrent Neural Network Model: A Humanoid Robot Experiment

11:15-11:45 Coffee break

Chair: G. Metta

11:45-12:30   **R. Kubat** (Massachusetts Institute of Technology, USA)

Connecting Language to Robot Behaviour: An Architecture of Object Schemas

12:30-13:15   **R. Grush** (California University, S. Diego, USA)

Modelling time and space

13:15-14:30 Lunch

Chair: K. Fischer

14:30-15:15   **G. Metta** (Italian Institute of Technology, IT)

iCub: the open humanoid robot designed for learning and developing complex cognitive tasks

15:15-16:00   **M. Bowerman** (Max Planck Institute, NL)

Constructing event categories in first language acquisition: A cross-linguistic perspective

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16:00-16:45   **K. Plunkett** (Oxford University, UK)

Learning to Associate Object Categories and Label Categories: A Self-Organising Mode

16:45-17:15 Coffee break

Chair: J. Tani

17:15-18:00   **L. Steels** (SONY Computer Science Laboratory Paris, FR)
Cognition and social dynamics play a major role in the formation of grammar

18:00-18:45   **J. de Ruiter** (Max Planck Institute for Psycholinguistics in Nijmegen, NL)
Neurocognitive Foundations of Joint Action

18:45-19:15   **S. Harnad** (University of Montreal - Quebec, CA)
Symbol Grounding, Turing Testing and Robot Talking

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WEDNESDAY 24 SEPTEMBER 2008 – *Aula I, second floor*

Chair: T. Belpaeme

09:00-09:45 **A. Borghi** (Bologna University, IT)
Embodied models and language grounding

09:45-10:30 **P. F. Dominey** (Robot Cognition Laboratory, Lumière Lyon 2University, FR)
The Basis of Shared Intentions in Human and Robot Cognition

10:30-11:15 **T. Ziemke** (Skövde University, SE)
Interacting Socially through Embodied Action

11:15-11:45 Coffee break

11:45-13:00 RoadMap Panel

13:15-14:30 Lunch

14:30-15:30 EU Project Coordinators Meeting

15:30-16:30 ITALK Consortium Meeting

16:30-17:00 Coffee break

17:00-18.00 ITALK Scientific and Management Committee Meeting

18.00-18.30 ITALK Knowledge Management Committee Meeting

18:30 End of meeting

Participation is free but is limited to registered participants.
To register please contact Diana Giorgini (diana.giorgini@istc.cnr.it, tel. +39.06.44595215)
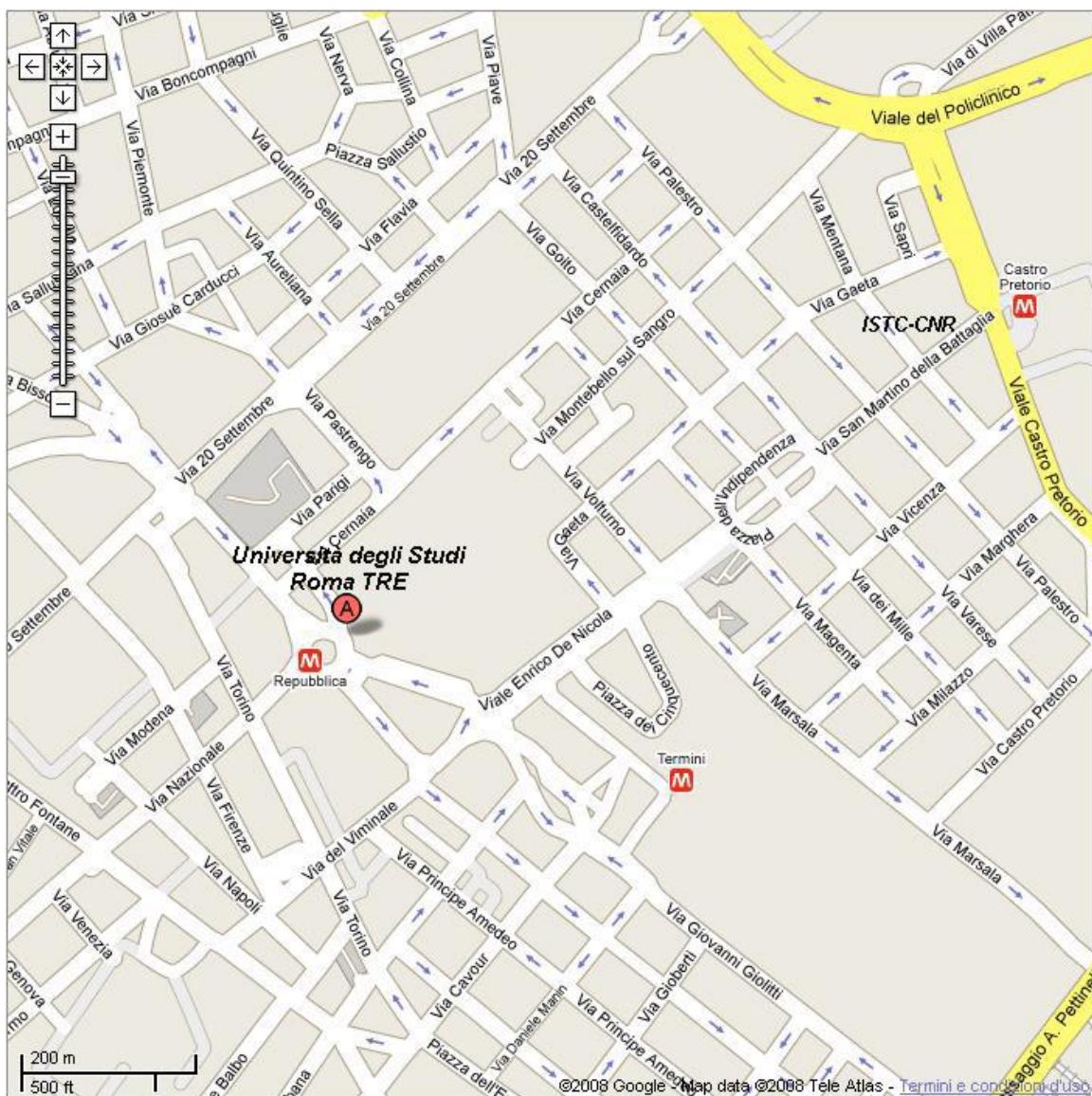
![italk logo]

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Map of the area

The Dipartimento di Scienze dell'Educazione of the Università degli Studi Roma TRE is located in Piazza della Repubblica, 10, next to the Basilica Santa Maria degli Angeli. It is close to the metro station Repubblica (metro line A); 5 minutes walking distance from the metro station Termini (metro line B) and 10 minutes walking distance from the ISTC-CNR. The Workshop will take place on the second floor of the building in the Aula I and Aula III.

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