

PROGRAM

Artificial Intelligence and Cognition workshop (AIC13)

3rd December 2013, Turin, Italy

8.30 – 9.00: **Registration**

9.00 Opening

9.00-10.00 Invited speaker: **Christian Freksa** (University of Bremen, Germany)

“The Power of Space and Time. How Spatial and Temporal Structures Can Replace Computational Effort”

10.00-12.30 **Oral presentations**

10.00-10.30 **Miriam Buonamente, Haris Dindo and Magnus Johnsson**

“Simulating Actions with the Associative Self-Organizing Map”

10:30 – 11.00: **Coffee-break**

11.00-11.30 **Antonio Chella**

“Towards a Cognitive Architecture for Music Perception”

11.30-12.00 **Onofrio Gigliotta, Paolo Bartolomeo and Orazio Miglino,**

“Introducing Sensory-motor Apparatus in Neuropsychological Modelization”

12.00-12.30 **Jordi-Ysard Puigbo, Albert Pumarola and Ricardo Tellez**

“Controlling a General Purpose Service Robot By Means Of a Cognitive Architecture”

12:30-14:00: **Lunch**

14:00-15.00 Invited speaker: **Orazio Miglino** (Università di Napoli Federico II and ISTC-CNR, Italy)

“When Psychology and Technology Converge. The Case of Spatial Cognition”

15.00-15.30 **Oral presentation**

15.00-15.30 **Agnese Augello, Salvatore Gaglio, Gianluigi Oliveri and Giovanni Pilato**

“Acting on Conceptual Spaces in Cognitive Agents”

15.30 -15.50: **Coffee-break**

15.50 – 16.40 **Poster session**

David Tobinski and Oliver Kraft

"Latent Semantic Analysis as Method for Automatic Question Scoring"

Roberto Pirrone, Vincenzo Cannella and Antonio Chella

"Higher-order Logic Description of MDPs to Support Meta-cognition in Artificial Agents"

Flavio Zelazek

"Dual Aspects of Abduction and Induction"

Martin Flament Fultot

"Plasticity and Robotics"

Paolo Ciancarini, Angelo Di Iorio, Andrea Giovanni Nuzzolese, Silvio Peroni and Fabio Vitali

"Characterising citations in scholarly articles: an experiment"

Janos Sarbo

"A meta-theory for knowledge representation"

Alice Ruggeri and Luigi Di Caro

"Linguistic Affordances: Making Sense of Word Senses"

Yutaro Sugimoto, Yuri Sato and Shigeyuki Nakayama

"Towards a Formalization of Mental Model Reasoning for Syllogistic Fragments"

16.40-18.10 Oral presentations

16.40-17.10 Alice Ruggeri and Luigi Di Caro

"How Affordances can Rule the (Computational) World"

17.10-17.40 Olga Acosta, Cesar Aguilar and Gerardo Sierra

"Using relational adjectives for extracting hyponyms from medical texts"

17.40-18.10 Leo Ghignone, Antonio Lieto and Daniele P. Radicioni,

"Typicality-Based Inference by Plugging Conceptual Spaces Into Ontologies"

18.10: Closing