

Preface

This book of Proceedings contains the accepted papers of the 4th International Workshop on Artificial Intelligence and Cognition (AIC 2016), held in New York on July 16th and 17th, 2016 and co-located with the HLAI Multiconference on Human Level Artificial Intelligence (<http://di.unito.it/AIC2016/>).

The series of workshop AIC was launched in 2013 with the idea of fostering the collaboration between the researchers coming from the fields of computer science, philosophy, engineering, psychology, neurosciences etc. and working at the intersection of the Cognitive Science and Artificial Intelligence (AI) communities.

This edition of the AIC Workshop was particularly important also from an historical perspective since, in 2016, there was the commemoration of the 60th anniversary of the Dartmouth Conference, the event which effectively inaugurated the history of Artificial Intelligence (AI) and Cognitive Systems research. Many of the original founders of AI as a research discipline shared the dream of (re-)creating high-level intelligence with computational means, i.e., achieving human-level AI by taking inspiration from the heuristics adopted by human cognition. This goal is still pursued (with varied interpretations) by many researchers all around the world today and represents one of the main challenges for the AIC community.

For the AIC 2016 edition we received 20 submissions and accepted 14 papers after a round of peer-review process.

We would like to thank the participants of the workshop as well as the Program Committee Members.

AIC 2016 Chairs

Antonio Lieto, Mehul Bhatt, Alessandro Oltramari and David Vernon

AIC 2016 - Keynote Speakers

Alfio Gliozzo, IBM Watson NY, USA

Gary Marcus, New York University, USA (shared HLAI Keynote)

Program Committee

John A. Bateman, University of Bremen, Germany

Angelo Cangelosi, University of Plymouth, UK

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Yaochu Jin, University of Surrey, UK

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Giulio Sandini, Italian Institute of Technology (IIT), Italy

Aaron Sloman, University of Birmingham, UK

Ron Sun, Rensselaer Polytechnic Institute, Troy, NY, USA