



1 December 2014, Bielefeld, Germany

ISACS 2014

7th International Symposium on
Attention in Cognitive Systems

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supported by



WAPCV ISACS

International Workshop on Attention and Performance in Computer Vision International Symposium on Attention in Cognitive Systems



WAPCV 2007 - Hyderabad, India
IJCAI (Intl. Joint Conference on Artificial Intelligence)
Paletta, Rome
Keynotes: **T. Ziemke, J. Triesch**



WAPCV 2008 - Santorin, Greece
ICVS (Intl. Conference on Computer Vision Systems)
Paletta, Tsotsos
Keynotes: **J. Triesch, S. Yantis**



ISACS 2013 - Beijing, China
IJCAI (Intl. Joint Conference on Artificial Intelligence)
Paletta, Itti, Schuller, Fang
Keynotes: **M. Asada, F. Fang**

Organisation

- Lucas Paletta, Joanneum Research, Austria
 - Jochen Triesch, Frankfurt IAS, Germany
 - Thies Pfeiffer, CITEC, Bielefeld University, Germany
 - Giorgio Metta, IIT, Genoa, Italy
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- 10 invited talks & 1 keynote talk
 - Publication in arXiv planned
-

ISACS 2014 - Programme

08:50 – 09:00 Symposium co-chairs

Welcome to the symposium

keynote talk

Session chair: Thies Pfeiffer

09:00 – 09:45 [Constantin A. Rothkopf](#)
TU Darmstadt and FIAS, Germany

Vision through tasks: from the Bongard problems to sandwich making
[abstract](#)

09:45 – 10:00 Coffee break



cognitive aspects of attention

Session chair: Ulrich Ansorge

- | | | |
|---------------|--|---|
| 10:00 – 10:25 | Simone Frintrop
University of Bonn, Germany | <i>Saliency-based object discovery</i>
abstract |
| 10:25 – 10:50 | Fiora Pirri
Sapienza, University of Rome, Italy | <i>Attention & running commentaries in unknown environments</i>
abstract |
| 10:50 – 11:15 | Anna Belardinelli
University of Tübingen, Germany | <i>Attentional landscapes for object interaction</i>
abstract |
| 11:15 – 11:30 | Coffee break | |

embodiment of attention

Session chair: Lucas Paletta

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|---------------|---|---|
| 11:30 – 11:55 | Verena Hafner & Guido Schillaci
Humboldt-Universität zu Berlin,
Germany | <i>Joint attention in humans and robots</i>
abstract |
| 11:55 – 12:20 | Jean-Marc Odohez
IDIAP, Switzerland | <i>Attention recognition: from contextual analysis of head poses to 3D gaze tracking using remote RGB-D sensors</i>
abstract |
| 12:20 – 12:45 | Thies Pfeiffer
University of Bielefeld, CITEC, Germany | <i>Modelling patterns of joint attention: eyetracking studies in human-human and human-virtual agent interactions</i>
abstract |
| 12:45 – 14:30 | Lunch break | |

active vision and attention

Session chair: Simone Frintrop

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|---------------|---|--|
| 14:30 – 14:55 | Dimitri Ognibene
King's College London, United Kingdom | <i>Robotic models of active perception</i>
abstract |
| 14:55 – 16:00 | CITEC technical demonstrations and
coffee break | |

modeling human eye movements

Session chair: Fiora Pirri

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|---------------|--|--|
| 16:00 – 16:25 | Ulrich Ansorge
University of Vienna, Austria | <i>The cutting edge in priming: how priming of attention bridges the gap across cinematic cuts</i>
abstract |
| 16:25 – 16:50 | Alex Priamikov
Frankfurt Institute for Advanced Studies,
Germany | <i>OpenEyeSim: A biomechanical simulator for studying the development of oculomotor control</i>
abstract |
| 16:50 – 17:15 | Lucas Paletta
Joanneum Research, Austria | <i>Three-dimensional recovery of gaze for the modeling of attention in natural environments</i>
abstract |
| 19:00 | Meeting at Christmas Market | |
| 20:00 | Dinner | |