

Call for Papers Extended - #ProSocrates17

2nd Symposium on Problem-solving, Creativity and Spatial Reasoning in Cognitive Systems

Problem-solving, human creative cognition, spatial cognition and computational creativity are topics often treated separately, despite their major potential for synergies. The ProSocrates Symposium aims to investigate these synergies. The 2nd Edition of the Problem-solving, Creativity and Spatial Reasoning Symposium will take place on 20-21 July 2017 at the Hanse Wissenschaftskolleg (@HWK_IAS) in Delmenhorst, Germany.

<http://creacogcomp.com/prosocrates2017.html>

Topics

ProSocrates welcomes papers on one or more of the general topics of problem-solving (specially spatial problem solving), human creative cognition, spatial cognition and computational creativity. Theoretical, computationally applied and empirical papers will be accepted for review. We especially welcome papers which aim to bring together some of these topics.

Topics are centered around but not limited to:

- Spatial cognition
- Spatial Reasoning
- Analogy
- General and Spatial problem solving
- Natural and artificial Cognitive systems
- Knowledge Representation for problem-solving
- Case-Based Reasoning
- Spatial reasoning and Education
- Systems for enhancing human spatial reasoning and/or creativity
- Creative Cognition
- Computational Creativity
- Concept blending
- Visuospatial creativity
- Insight and re-representation
- Evolutionary approaches, genetic algorithms
- Image Schemas
- Cognitive modeling
- Analogy
- Cognitive Recommender Systems

Submission

Two types of papers are welcome:

- Full research papers - up to 10 pages in LNCS format + references
- Poster submissions - up to 5 pages in LNCS format.
- Late Breaking papers - up to 6 pages in LNCS format + references

Accepted papers will be published in Symposia proceedings as part of **CEUR** Workshop Proceedings.

A **Special Issue** for best extended papers will be published in **Cognitive Systems Research journal (Elsevier)**.

Submission via easychair: <https://easychair.org/conferences/?conf=prosocrates2017>

Important Dates

Submission of full papers - ~~10 April 2017~~ 24 April 2017

Submission of poster abstracts - ~~10 April 2017~~ 24 April 2017

Notification of acceptance - 24 May 2017

Late Breaking papers - 1 June 2017

Camera ready version - 15 June, 2017

Invited Talks

Ken Forbus, Northwestern University

Marco Schorlemmer, IIIA-CSIC Spain

Bipin Indurkha, Jagiellonian University, Kraków

Lledó Museros, University Jaume I

Andrew Lovett, Northwestern University

Tarek Besold, Universitat Bremen

Confirmed Programme Committee

Agnese Augello, Italian National Research Council, Rome

Thomas Barkowsky, Bremen Spatial Cognition Center, University of Bremen

Amilcar Cardoso, University of Coimbra

Manfred Eppe, University of California, Berkeley

Christian Freksa, Bremen Spatial Cognition Center, University of Bremen

Liane Gabora, University of British Columbia, Okanagan

Sascha Griffiths, University of Hamburg

Richard Hass, Philadelphia University

Anna Jordanous, University of Kent

Kai-Uwe Kühnberger, Institute of Cognitive Science, University of Osnabrueck

Antonio Lieto, University of Torino

Alison Pease, University of Dundee

Enric Plaza, IIIA-CSIC, Barcelona

Francisco Javier Ruiz, Universitat Politecnica de Catalunya

Thora Tenbrink, Bangor University
Geraint Wiggins, Queen Mary University of London
Jordi Sabater, IIIA-CSIC, Barcelona
Ernest Davis, New York University, USA

Symposium Chairs and Organization

Ana-Maria Olteteanu –
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