



## Call for Papers - #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 is currently under negotiation.

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

### Important Dates

Submission of abstracts - 1 March 2017

Submission of full papers - 1 April 2017

Submission of poster abstracts - 1 April 2017

Notification of acceptance - 1 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, Universität 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 Politècnica 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 –  
Creative Cognitive Systems,  
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