

Call for Papers

Special issue of the AI Communications journal on **Case Based Reasoning**

IMPORTANT DATES

Paper submission: February 27, 2017

Notification of acceptance: March 24, 2017

Final versions: April 30, 2017

BACKGROUND

The special issue gather together selected papers of the successful ICCBR 2016 International Conference on Case Based Reasoning, held in November in Atlanta, USA

(<http://iccbr.gatech.edu/iccbr16/>)

ICCBR is the premier, annual meeting of the CBR community and the leading international conference on this topic. The theme for the ICCBR 2016 has been Creativity. The conference series steadily expands the frontiers of CBR as a scientific field. Each conference addresses on the progress of the field and its connections with related areas and application domains.

SCOPE AND TOPICS

We invite authors from a set of selected papers of ICCBR 2016 submit extended and improved versions of their contributions. The focus of the special issue will be on theoretical research, applied research and deployed application papers on all aspects of Case-Based Reasoning.

The topics of interest include:

- Case retrieval and indexing, similarity measures
- Case reuse, adaptation, and combination
- Evaluation, simulation and prediction
- CBR architecture and development frameworks
- Case elicitation, case authoring
- Maintenance, post-mortem analysis and quality assessment
- User interaction, knowledge modeling and visualization
- Explanation, confidence and uncertainty
- Context models, preferences
- Adaptive interfaces, user modeling and personalization in CBR
- CBR in robotics and human-robot interaction
- Case-based planning and design
- Cloud-based CBR
- Web-based CBR, recommender systems
- Natural language processing, information retrieval
- Data mining, machine learning and big data
- Textual CBR
- Temporal CBR, CBR for traces and time series
- Distributed and social CBR
- Cognitive modeling
- Analogical reasoning
- Lazy-learning, instance-based and case-based learning
- Case-based agents, perception, action
- CBR applications in domains

SUBMISSION GUIDELINES

This special issue welcomes original high-quality contributions that have been neither published in nor simultaneously submitted to other venues. Submissions will be peer-reviewed using the standard refereeing procedure of the AI Communications.

Full papers of a maximum extension of maximum 14 pages should be prepared according to the AIComm style guidelines described at the following link:

<http://www.iospress.nl/journal/ai-communications/>

Papers should be submitted through the AIComm mstracker:

<http://mstracker.com/submit1.php?jc=aic>

Authors should include a cover letter indicating that the submission is for the special issue entitled “*Case Based Reasoning*”

GUEST EDITORS

Belen Diaz-Agudo, Universidad Complutense de Madrid, Spain

Ashok Goel, Georgia Institute of Technology, USA