5th International Workshop on
CROWDS AND CELLULAR AUTOMATA

at 11th International Conference on Cellular Automata for Research and Industry
Kraków (Poland), September 22 - 25, 2014
http://www.acri2014.agh.edu.pl/doku.php?id=cca

Call for Papers

AIMS & SCOPE

Cellular Automata (CA) have been thoroughly applied as an efficient research tool in the scientific area of crowds and pedestrian dynamics. The latter constitutes an intrinsic multidisciplinary research area, thus the current literature involving CA and agent based models is disseminated in a vast range of conferences proceedings, journals and books; from physics and urban planning, to fire engineering and psychology. Following the principles of its previous editions, the goal of the fifth C&CA 2014 international workshop is to provide researchers from different disciplines with the opportunity to present their work, introduce their methods and communicate their ideas on CA originated modeling and simulation of crowds and pedestrians dynamics, within an advanced scientific environment.

Topics of the workshop include, but are not limited to:
- crowd dynamics
- pedestrian behavior
- spatial competition
- urban design and planning
- social self-organisation
- collective beliefs and behavior
- competition, collaboration
- social structures
- calibration and validation of crowd models

The workshop encourages submissions regarding all CA comparable, computer simulation based methods of crowd research. Application demonstrations and domain analyses are welcome, as well as overviews and states of the art about studies on behavioral, social and psychological issues of crowd dynamics. The focus for this edition is especially given for reliability of CA models, thus on works connected with experimental work for calibration and validation using gathered data on field or in laboratory settings.

IMPORTANT DATES

Paper submission: **April 15, 2014**
Notification of paper acceptance or rejection: **May 14, 2014**
Final version of the paper for the proceedings: **June 8, 2014**

SUBMISSION AND PUBLICATION

Authors are invited to submit papers according to two contribution categories: full and short papers depending on their length, depth and/or maturity. Papers must comply with the Springer Verlag format and the maximum length of 5 and 10 pages for short and full contributions, respectively. The submission system is already open and early submissions are welcome. Please prepare your submission in accordance with the formatting rules described at http://www.acri2014.agh.edu.pl/doku.php?id=submission and submit a pdf file via https://www.easychair.org/conferences/?conf=acri2014
Accepted papers will be published by Springer-Verlag in ACRI2014 volume of the Lecture Notes in Computer Science (LNCS) series. The volume will be available by the time of the workshop. A selection of papers that will be presented during the workshop will be published on a special issue of the international Journal of Cellular Automata (http://www.oldcitypublishing.com/JCA/JCA.html).

REGISTRATION

Details about how to register to C&CA2014 workshop will be available through ACRI2014 conference website (http://www.acri2014.agh.edu.pl)

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