

CALL FOR PAPERS

AFCA '16

4th International Workshop on Applications and Fundamentals of Cellular Automata

<http://is-candar.org/afca16>

To be held in conjunction with The 4th International Symposium on Computing and Networking (CANDAR'16), Hiroshima, Japan, November 22-25, 2016.

This workshop is launched in honor of Professor Morita's retirement from Hiroshima university in March 2013. The main goal of this workshop is to provide a timely forum for the discussion of new ideas in the field of cellular automata and unconventional computing.

Topics

Topics of interest include, but are not limited to:

- Applicational aspects of cellular automata and cellular automata based systems, such as modeling of biological, physical or chemical systems, traffic modeling, agent-based systems, implementations of cellular automata,

- Theoretical aspects of cellular automata, such as basic properties of cellular automata, cellular automata based algorithms, models of unconventional computing, natural computing, complex systems, artificial life.

Paper format and submission instruction

Regular paper 5-7 pages

Poster paper 3-4 pages

Submitted papers must be the PDF using IEEE standard two-column format. Please see Workshop Paper Submission Instruction:

http://is-candar.org/workshop_submission

Publication

The conference and workshop proceedings will be published by Conference Publishing Service and submitted to IEEE Xplore and CSDL digital libraries.

Also they are submitted for indexing through INSPEC, EI (Compendex), Thomson ISI, and other indexing services.

Special Issue

We plan to publish extended versions of selected papers from CANDAR'16 main conference and workshops. Please see the following web page for the details:

http://is-candar.org/special_issue

Important dates

August 4 **August 14, 2016**: Abstract submission

August 6 **August 18, 2016**: Paper submission

September 10, 2016: Author notification

September 23, 2016: Final paper submission

November 22-25, 2016: Workshop

Please see the schedule page of CANDAR '16 workshops for the detail:

<http://is-candar.org/schedule>.

Invited Speaker

Rolf Hoffmann, Technische Universität Darmstadt, Germany

Organization

Workshop chair and co-chairs:

Katsunobu Imai, Hiroshima University, Japan

Ferdinand Peper, NICT, Japan

Hiroshi Umeo, Osaka Electro-Communication University, Japan

Program committee (alphabetical order):

Artiom Alhazov, Academy of Sciences of Moldova, Moldova

Susumu Adachi, Japan

Katsunobu Imai, Hiroshima University, Japan

Shuichi Inokuchi, Fukuoka Institute of Technology, Japan

Teijiro Isokawa, University of Hyogo, Japan

Chuzo Iwamoto, Hiroshima University, Japan

Akane Kawaharada, Kyoto University of Education, Japan

Eisuke Kita, Nagoya University, Japan

Toshihiko Komatsuzaki, Kanazawa University, Japan

Jia Lee, Chongqing University, China

Luca Manzoni, Università Milano-Bicocca, Italy

Genaro J. Martinez, University of the West of England, UK

Takao Namiki, Hokkaido University, Japan

Ferdinand Peper, NICT, Japan

Victor Poupet, Université de Montpellier, France

Toshihiko Shiraishi, Yokohama National University, Japan

Georgios Ch. Sirakoulis, Democritus University of Thrace, Greece

Akiyasu Tomoeda, Musashino University, Japan

Hiroshi Umeo, Osaka Electro-Communication University, Japan

Jean-Baptiste Yunès, Université Paris Diderot, France

Steering Committee:

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