13th International Workshop on "Non-Classical Models of Automata and Applications"
NCMA 2023 -- Second Call for Papers

September 18-19, 2023, Famagusta, Cyprus

https://ncma.emu.edu.tr/en

NCMA welcomes research papers that contain original contributions on classical and non-classical models of automata and applications and related subjects. Many models of automata and grammar-like structures are the natural objects of theoretical computer science. They are studied from different points of view in various areas, both as theoretical concepts and as formal models for applications. The aim of the workshops on "Non-Classical Models of Automata and Applications" is to provide a forum for researchers who work on different aspects of classical and non-classical models of automata and grammars to exchange and develop novel ideas.

In order to emphasize the workshop character of NCMA 2023, we also invite short contributions that report on recent results or ongoing work in addition to full papers. However, in contrast to the accepted regular (full) papers that will be published in the official EPTCS proceedings, the accepted short papers will appear in a separate technical report.

Topics for NCMA 2023 include (but are not limited) to :
- formal models inspired by linguistics, bio-computing, text processing, document engineering, self-assembly, etc.,
- bio-inspired models of automata and generative devices,
- cellular automata,
- automata with additional resources,
- networks of automata or generative devices,
- quantum automata,
- forgetting automata and restarting automata,
- regulated rewriting/automata,
- models of cooperation and communication,
- automata in the framework of membrane computing

Other related topics, in particular, contributions dealing with questions on classical automata and generative devices are also welcome.

The workshop series "Non-Classical Models of Automata and Applications" started in Wrocław, Poland, in 2009. Since that the workshop takes place annually (but the pandemic time). The proceedings of the first 11 workshops have appeared as volumes in the series books@ocg.at of the Austrian Computer Society. The proceedings of the 12th workshop was published as an EPTCS: Electronic Proceedings of Theoretical Computer Science volume. In addition, special issues of Fundamenta Informaticae or RAIRO – Theoretical Informatics and Applications were dedicated to each of them.

Important dates (all dates are to be understood AoE)

	Full papers:	Short papers:
Deadline for submissions:	**June 8, 2023**	**July 3, 2023**
Notification of acceptance:	July 10, 2023	July 12, 2023
Deadline for final papers:	July 24, 2023	July 24, 2023
Workshop:	**September 18-19**, 2023	

Submissions and Proceedings
Authors are invited to submit full papers of up to 16 pages in PDF in **EPTCS** style in the Easychair conference system. The proceedings for full papers will appear in an **EPTCS** volume. Short papers of up to 8 pages can be submitted by email, they appear as parts of a technical report. Selected papers will be invited and considered in a devoted Special Issue in **Acta Informatica**. Concerning full papers, proofs omitted due to space constraints may be put into an appendix that will be read by the reviewers at their discretion. All full papers will be reviewed by at least three referees, and simultaneous submissions to other conferences or workshops with published proceedings are not allowed. Short papers will be reviewed by at least two PC members, but simultaneous submissions of extended versions to other conferences or workshops with published proceedings are allowed.

Invited Speakers
- Friedrich Otto (Kassel, Germany)
- György Vaszil (Debrecen, Hungary)

Program Committee

Artiom Alhazov, Institute of Mathematics and Computer Science of Academy of Sciences of Moldova
Péter Battyányi, University of Debrecen, Hungary
Martin Berglund, University of Umeå, Sweden
Erzsébet Csuhaj-Varjú, Eötvös Loránd University, Hungary
Rudolf Freund, Vienna, Austria (co-chair)
Zoltán Fülöp, University of Szeged, Hungary
Géza Horváth, University of Debrecen, Hungary
Szabolcs Iván, University of Szeged, Hungary
Sergiu Ivanov, Paris-Saclay University
Miklós Krész, Innorenew, Slovenia
Zbyněk Křivka, Brno University of Technology, Czech Republic
Peter Leupold, Germany
Ian McQuillan, University of Saskatoon, Canada
Ludovic Mignot, Université de Rouen Normandie, France
Nelma Moreira, University of Porto, Portugal
Benedek Nagy, Eastern Mediterranean University, Famagusta (co-chair)
Beatrice Palano, University of Milan, Italy
Agustín Riscos-Núñez, Universidad de Sevilla, Spain.
Jose M. Sempere, Universitat Politècnica de València, Spain
Alexander Szabari, Kosice, Slovakia
Bianca Truthe, University of Giessen, Germany
György Vaszil, University of Debrecen, Hungary

Local Information:

The workshop will take place in Famagusta (North Cyprus). NCMA2023 will be co-located with CIAA2023: 27th International Conference on Implementation and Application of Automata (September 19-22, 2023, Famagusta).
https://ciaa.emu.edu.tr/en

Contact:
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