

**Report on NCMA 2023:  
13th International Workshop on Non-Classical Models of  
Automata and Applications  
Famagusta, North Cyprus, September 18–19, 2023**

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The workshop series on Non-Classical Models of Automata and Applications (NCMA) was founded in the year 2009; up to the year 2019, it took place every year. After a pandemic caused pause, there was a restart with a new edition last year where also the organization of this year's event was settled. Now, the 13th edition was held in Famagusta (North Cyprus) on September 18 and 19, 2023. The workshop was organized by Benedek Nagy and his colleagues from the Eastern Mediterranean University in Famagusta. It was co-located with the Conference on Implementation and Application of Automata (CIAA).



The conference venue

The history and other information about the conference series can be found at the homepage which is available here:

<https://www.cs.uni-potsdam.de/NCMA/>

On the workshop website of the recent edition, you can find the program with all talks:

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

The invited speakers were

- Friedrich Otto (University of Kassel, Germany) who gave ‘A survey on automata with translucent letters’ and
- György Vaszil (University of Debrecen, Hungary) with a talk on ‘Membrane computing and Petri nets’.

Besides the talks by the invited speakers, 14 talks on peer reviewed research papers were presented. The 11 regular papers and 3 short papers covered many topics in the area of automata theory and beyond (tree-walking-storage automata,

forgetting automata, sweeping permutation automata, quantum finite state automata, graph grammars, ordered grammars, signed grammars, contextual grammars, sticker systems, stream cipher and pseudorandom number generators, and many more).

The proceedings were edited by Rudolf Freund and Benedek Nagy and published in the EPTCS series (Electronic Proceedings in Theoretical Computer Science, <https://eptcs.org/>), Volume 388. Extended versions of selected papers will be published in a special issue of *Acta Informatica*.

Besides the scientific sessions, there was one more: A joint session with the workshop on Theoretical Informatics dedicated Victor Mitrana on the occasion of his 65th birthday held at the Faculty of Mathematics and Informatics of the University of Bucharest, organized by Marius Dumitran, Radu Gramatovici, and Florin Manea. During this session, in which both venues were connected via a video conference system, several participants of the NCMA who had been invited to contribute also to the workshop honoured Victor in very personal presentations full of memories of joint research.

This special session was followed by the social program. It consisted of a guided tour to the ancient city of Salamis, a visit of the Monastery St. Barnabas with Icon Museum and a guided tour through the city of Famagusta. Afterwards, a splendid dinner with a huge variety of delicious meals was awaiting us in a restaurant situated directly at the Mediterranean Sea.



Sightseeing in Salamis

Many thanks to the organizers, program committee members, external reviewers, and participants for the pleasant and successful event. The next issue of NCMA is planned to be held next year in Göttingen (Germany), co-located with DLT, organized by Florin Manea. We invite all readers of this report to submit papers to NCMA 2024 and to come to the conference next August.