

**Report on NCMA 2022:  
12th International Workshop on Non-Classical Models of Automata and  
Applications  
Debrecen, Hungary, August 26–27, 2022**

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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 this year. The history and other information can be found at the homepage of the workshop series which is available here:

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

The 12th edition was held in Debrecen (Hungary) on August 26 and 27, 2022. The workshop was organized by György Vaszil and his colleagues from the University of Debrecen as well as Henning Bordihn from the University of Potsdam. It was co-located with the conferences DCFS and MCU.



At the conference venue

The invited speakers were

- Florin Manea (University of Göttingen, Germany) who gave a survey on ‘Combinatorial Algorithms for Subsequence Matching’ and
- Gyula Klima (Fordham University, NY, USA) with a talk on ‘Language and Intelligence, Artificial vs. Natural, or What can and what cannot AI do with Natural Language’.

Besides the talks by the invited speakers, 15 talks on peer reviewed research papers were presented. The 10 regular papers and 5 short papers covered many topics in the area of automata theory and beyond (Non-returning finite automata,

involutory automata, P systems, permutation automata, counter automata, reaction systems, typewriter automata, Watson-Crick automata, and many more).

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

<https://konferencia.unideb.hu/en/ncma-2022>

The proceedings were edited by Henning Bordihn, Géza Horváth, and György Vaszil and published in the EPTCS series (Electronic Proceedings in Theoretical Computer Science, <https://eptcs.org/>), Volume 367. Extended versions of selected papers will be published in a special issue of *RAIRO – Theoretical Informatics and Applications*.

The social program on the first day, after the business meeting, consisted of a guided tour in the city center of Debrecen and a Dinner afterwards in a nice restaurant with a variety of delicious meals.

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 Famagusta (North Cyprus), co-located with CIAA, organized by Benedek Nagy. We invite all readers of this report to submit papers to NCMA 2023 and to come to the Mediterranean Sea in next September.