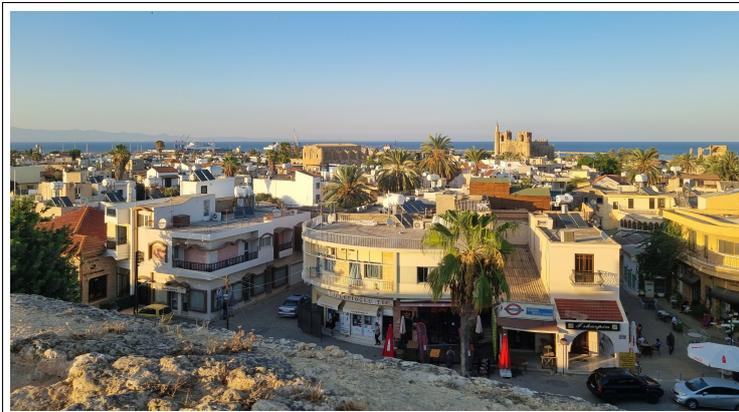


**Report on CIAA 2023:
27th International Conference on Implementation and
Application of Automata
Famagusta, North Cyprus, September 19–22, 2023**

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Recently, the 27th edition of the Conference on Implementation and Application of Automata was held in Famagusta (North Cyprus) from September 19 to 22, 2023. The first Workshop on Implementing Automata (WIA'96) was held in London, Ontario, Canada, in 1996. In the year 2000, the workshop WIA became the CIAA conference. The CIAA conference series covers all aspects of implementation, application, and theory of automata and related structures. It aims to attract contributions from both classical automata theory and applications. This year's conference was organized by Benedek Nagy and his colleagues from the Eastern Mediterranean University in Famagusta. It was co-located with the workshop on Non-Classical Models of Automata and Applications (NCMA).



View over Famagusta

The invited speakers were

- Viliam Geffert (University of Košice, Slovakia) who spoke about ‘Binary coded unary regular languages’,
- Friedrich Otto (University of Kassel, Germany) who gave ‘A Survey on Automata with Translucent Letters’, and
- Cem Say (University of Istanbul, Turkey) with a talk on ‘Finite automata as verifiers’.

Besides the talks by the invited speakers, 20 talks on peer reviewed research papers were presented. They covered many topics in the area of automata theory and beyond (finite automata, push-down automata, transducers, tree automata, hedge automata, verification, Parikh's theorem, pumping lemma, and many more).

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

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

The proceedings were edited by Benedek Nagy and published in the LNCS series by Springer (Lecture Notes in Computer Science), Volume 14151. Extended versions of selected papers will be published in a special issue of the *International Journal of Foundations of Computer Science (IJFCS)*.



During the conference trip, in Bellapais

Besides the scientific sessions, the conference provided also a social program. It consisted of a guided tour through the city of Famagusta and the Ghost Town Varosha, a bus trip to Bellapais, and a conference dinner at a restaurant with a beautiful view over the northern coast line and a large variety of delicious meals.

At the end of the conference, Szilárd Zsolt Fazekas invited with a presentation to the next edition of CIAA which is planned to be held next September in Akita (Japan).

Many thanks to the organizers, program committee members, external reviewers, and participants for the pleasant and successful event. We invite all readers of this report to submit papers to CIAA 2024 and to attend the conference.