

**REPORT ON REPORT ON NCMA 2018:
10TH INTERNATIONAL WORKSHOP ON NON-CLASSICAL MODELS OF
AUTOMATA AND APPLICATIONS
KOŠICE, SLOVAKIA, AUGUST 21–22, 2018**

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The workshop series on Non-Classical Models of Automata and Applications (NCMA) was founded in the year 2009; since then, it took place every 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 tenth edition was held in Košice (Slovakia) on August 21 and 22, 2018. The workshop was organized by Galina Jirásková and her colleagues from the Košice branch of the Mathematical Institute of the Slovak Academy of Sciences. The invited speakers were

- Bruno Guillon (Milan, Italy) with a talk on ‘Two-way nondeterministic transducers’ and
- José M. Sempere (Valencia, Spain) with the talk ‘On the application of Watson-Crick finite automata for the resolution of bioinformatic problems’.

Besides the talks by the invited speakers, 16 talks on peer reviewed research papers were presented. The 11 regular papers and 5 short papers were written by 31 authors from 12 countries. The participants of the workshop were from Germany (5), the Czech Republic (4), Slovakia (3, not counting the organizers) as well as Austria, China, Finland, France, Hungary, Italy, Japan, Latvia, North Cyprus, South Africa, and Turkey (one participant each).



NCMA 2018 group photo – Sightseeing in Košice

On the workshop website <http://im.saske.sk/ncma2018/index.html>, you can find the program with all talks. The proceedings were published, as in the previous years, in the series books@ocg.at of the Austrian Computer Society. Full versions of selected papers will be published in a special issue of the *Journal of Automata, Languages and Combinatorics*.

During the business meeting on the first day, José M. Sempere announced the next NCMA which will be organized in Valencia (Spain) in July this year. The twelfth workshop will take place in the year 2020 in Vienna (Austria).

The social program consisted of a Welcome Reception before the first day, a guided tour in the city center of Košice, and a Dinner afterwards. Furthermore, a trip was organized to Spiš Castle after the workshop. This is one of the biggest European castles by area and became UNESCO World Heritage Site in 1993.

Thank you to the organizers, program committee members, external reviewers, and participants for the pleasant and successful event. We welcome all of you to NCMA 2019 in Valencia!