Report on NCMA 2019:

11th International Workshop on Non-Classical Models of Automata and Applications

Valencia, Spain, July 2–3, 2019

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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 eleventh edition was held in Valencia (Spain) on July 2 and 3, 2019. The workshop was organized by José M. Sempere and his colleagues from Universitat Politècnica de València. The invited speakers were

- Victor Mitrana (Universidad Politécnica de Madrid, Spain, and Universitatea din Bucureşti, Romania) with a talk on 'DNA Self-Assembly by Hairpin' and

- Agustín Riscos-Núñez (Universidad de Sevilla, Spain) with a talk on 'Complexity classes in Membrane Computing: P-conjecture and related issues'.

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 (Membrane systems, register machines, Watson-Crick automata, accepting networks of evolutionary processors, series-parallel automata, restarting automata, Turing machines, input-driven pushdown automata, and many more).

On the workshop website https://ncma2019.blogs.upv.es/, 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 *RAIRO-ITA*.

During the business meeting on the first day, Rudolf Freund announced the next NCMA which will be organized in Vienna (Austria) in August 2020. The

NCMA will be a part of the 'Summer of Formal Languages' which will be held in Vienna from August 17 until September 1. During this time, there will take place the international conferences and workshops UCNC (Unconventional Computation and Natural Computation), CMC (Conference on Membrane Computing), DCFS (Descriptional Complexity of Formal Systems), NCMA (Non-Classical Models of Automata and Applications), MCU (Machines, Computations and Universality), and the annual meeting of the special interest group *Automata and Formal Languages* of the Society for Computer Science in Germany.

At the conference venue

The social program this year consisted of a guided tour in the city center of Valencia and a Dinner afterwards in a very nice restaurant situated in the modern area 'La Ciudad de las Artes y las Ciencias'.

Sightseeing in Valencia

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 2020 in Vienna!