

**REPORT ON REPORT ON CIAA 2018:
23RD INTERNATIONAL
CONFERENCE ON IMPLEMENTATION AND APPLICATION OF AUTOMATA
CHARLOTTETOWN, PRINCE EDWARD ISLAND, CANADA
JULY 30 – AUGUST 2, 2018**

**GALINA JIRÁSKOVÁ
MATHEMATICAL INSTITUTE, SLOVAK ACADEMY OF SCIENCES
KOŠICE, SLOVAKIA**

The 23rd International Conference on Implementation and Application of Automata took place in Charlottetown, Prince Edward Island, Canada from July 30 to August 2, 2018. The conference was organized by the School of Mathematical and Computational Sciences of the University of Prince Edward Island. The organizing committee consisted of Cezar Câmpeanu, Leslie-Ann Ruben, Chris Vessey, and Young Yu.

The proceedings were published by Springer as volume 10977 in the series Lecture Notes of Computer Science; the volume was edited by Cezar Câmpeanu. Extended versions of selected papers will appear in a special issue of the International Journal of Foundations of Computer Science.

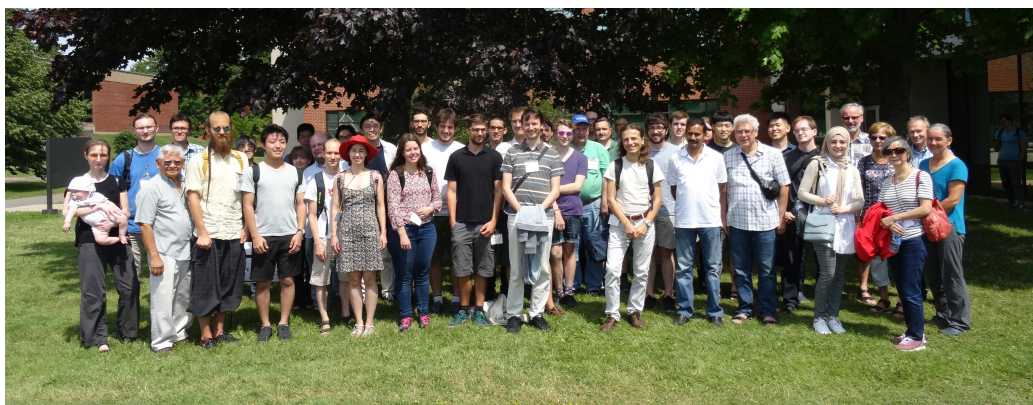
The program consisted of four invited talks and 23 presentations of peer reviewed papers which were written by 53 authors from 16 countries: Algeria, Bulgaria, Canada, Finland, France, Germany, Italy, Japan, Poland, Portugal, Russia, Singapore, Slovakia, South Korea, Sweden, USA. The invited talks were as follows:

- Anne Condon (University of British Columbia, Vancouver, British Columbia, Canada): On the Design and analysis of algorithms for chemical reaction networks,
- Jacques Sakarovitch (CNRS/Paris Diderot University and Telecom Paris-Tech, Paris, France): Validity of weighted automata,
- Andreas Malcher (Justus-Liebig-Universität Giessen, Giessen, Germany): Boosting pushdown and queue machines by preprocessing,

- Stavros Konstantinidis (St. Mary's University, Halifax, Nova Scotia, Canada): Regular expressions and transducers over alphabet-invariant and user-defined labels.

The Business Meeting took place on August 2 after the last talk of the conference. Cezar Câmpeanu presented all the statistics for CIAA 2018. As the organizer of the next CIAA in Košice, Slovakia, I gave the presentation for CIAA 2019 with information about possible dates, venue, accommodation, travel routes, and the social program.

The social events included the Welcome Party on July 30 and the Conference Trip with Conference Dinner on July 31. The trip began with a city tour of historic Charlottetown with a stop at PEI Preserves in New Glasgow and continued on to the coastal fishing village of North Rustico and the famous PEI National Park, home of Cavendish and Anne of Green Gables. It ended with dinner at the World Famous Fisherman's Wharf with its 60 foot Salad Bar where we had our choice of 1lb lobster, 1/4 chicken, Breaded Haddock, Breaded Scallops, or Jumbo Breaded Shrimp.



CIAA 2018 group photo

I believe all the participants enjoyed the conference very much; it was successful both professionally and socially. We all are thankful to everybody who made such a successful event.

As the organizer of the next CIAA, I would like to invite all the readers of this report to participate in CIAA 2019, which will take place in Košice, Slovakia, on July 22–25, 2019, just after DCFS 2019 (also in Košice on July 17–19, 2019).