

**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,

