

Special issue on “Middle-European Conference on Applied Theoretical Computer Science – MATCOS-19”

The 5th conference MATCOS was held in Koper on October 10-11, 2019. We were lucky to come together just before months of the COVID pandemic of the last year. Although the MATCOS-series started as a collaboration between the University of Primorska and the University of Szeged, for this 5th conference researchers as speakers or co-authors came from 7 countries (15 chairs or institutes) including Austria, Germany, Israel, Romania, USA, Slovenia and Hungary.

In response to call of papers we received 39 submissions. Each submission was reviewed by at least two referees. Based on the reviews, the Program Committee first selected 22 papers for presentation. Having calculated the reviewer’s opinion in a second phase we accepted further papers for short presentation on the closing day. In addition to the selected papers, Thomas Pock from the TU Graz gave an invited talk on “Learning better models for imaging”.

The presented talks covered a wide spectrum of topics from both of theoretical computer science and the applied mathematics, and all the way to a practical application and evaluation of theoretical results. Papers were presented in the fields of influence maximization, formal languages and automata, scheduling, bin packing, bioinformatics, and graph theory as well.

The intention to involve PhD students into “conference-life” was declared during our earlier MATCOS conferences and was carried on to this conference as well. Consequently we are very happy that the students accepted this invitation, and they took part in MATCOS-19, so they could get their first impression about the flavour of a conference.

The MATCOS-19 offered a further chance to the speakers: after a regular reviewing process they can publish their results in the Informatica. We want to thank the editors and the whole board to give us this opportunity. After the reviewing process finally 8 papers were accepted for publication. Unfortunately, the reviewing process took a bit longer due to pandemic time. We hope that the presented papers will give a correct transverse section of the presentations of MATCOS-19.

At last but not least we want to thank Balázs Dávid, Branko Kavšek, Matjaž Krnc and Rok Požar for their contribution as a local Organizing Committee.

See you in 2022 on the next MATCOS conference!

Koper, July 2021

*Andrej Brodnik
Gábor Galambos*

