

Preface

The *12th Conference of PhD Students in Computer Science (CSCS)* was organized by the Institute of Informatics of the University of Szeged (SZTE) and held in Szeged, Hungary, between June 24–26, 2020.

The members of the *Scientific Committee* were the following representatives of the Hungarian doctoral schools in Computer Science: János Csirik (Co-Chair, SZTE), Lajos Rónyai (Co-Chair, SZTAKI, BME), Péter Baranyi (SZE), András Benczúr (ELTE), András Benczúr (SZTAKI), Hassan Charaf (BME), Tibor Csendes (SZTE), László Cser (BCE), Erzsébet Csuha-Varjú (ELTE), József Dombi (SZTE), István Fazekas (DE), Zoltán Fülöp (SZTE), Aurél Galántai (ÓE), Zoltán Gingl (SZTE), Tibor Gyimóthy (SZTE), Katalin Hangos (PE), Zoltán Horváth (ELTE), Márk Jelasity (SZTE), Zoltán Kása (Sapientia EMTE), László Kóczy (SZE), János Levendovszki (BME), Gyöngyvér Márton (Sapientia EMTE), Branko Milosavljevic (UNS), Valerie Novitzka (TUKE), László Nyúl (SZTE), Marius Otes-teanu (UPT), Attila Pethő (DE), Vlado Stankovski (UNILJ), Tamás Szirányi (SZTAKI), Péter Szolgay (PPKE), János Sztrik (DE), János Tapolcai (BME), János Végh (ME), and Daniela Zaharie (UVT).

The members of the *Organizing Committee* were: Attila Kertész, Balázs Bánhe-lyi, Tamás Gergely, Judit Jász, and Zoltán Kincses.

There were more than 50 participants and 43 talks in several fields of computer science and its applications (11 sessions). The talks were going in sections in Graphs, Machine Learning, Security, Program Analysis, Healthcare, Simulation, Privacy, Computer Graphics I., Bugs, Computer Graphics II., and Distributed systems.

The talks of the students were completed by 2 plenary talks of leading scientists: Tibor Gyimóthy (University of Szeged, Hungary), and Gábor Tardos (Alfréd Rényi Institute of Mathematics, Hungary).

The open-access scientific journal *Acta Cybernetica* offered PhD students to publish the paper version of their presentations after a careful selection and review process. Altogether 29 manuscripts were submitted for review, out of which 22 were accepted for publication in the present special issue of *Acta Cybernetica*.

The full program of the conference, the collection of the abstracts and further information can be found at <https://www.inf.u-szeged.hu/~cscs/>.

On the basis of our repeated positive experiences, the conference will be organized in the future, too. According to the present plans, the next meeting will be held around the end of June 2022 in Szeged.

Attila Kertész
Guest Editor