

Preface

The eighth Conference for PhD Students in Computer Science (CSCS) was organized by the Department of Computer Science of the University of Szeged (SZTE) and held in Szeged, Hungary from June 28 to 30, 2012. The members of the Scientific Committee were the following representants of the Hungarian doctoral schools in computer science: András Benczúr (ELTE), Hasszan Charaf (BME), Tibor Csendes (SZTE), László Cser (BCE), János Csirik (Chair, SZTE), János Demetrovics (ELTE), József Dombi (SZTE), Zoltán Fülöp (SZTE), Aurél Galántai (ÓE), Tibor Gyimóthy (SZTE), Zoltán Horváth (ELTE), Csanád Imreh (SZTE), Zoltán Kató (SZTE), Zoltán Kása (Sapientia EMTE), László Keviczky (SZIE), János Kormos (DE), László Kozma (ELTE), János Levendovszky (BME), Eörs Máté (SZTE), Attila Pethő (DE), András Recski (BME), Lajos Rónyai (SZTAKI), Endre Selényi (BME), Tamás Szirányi (SZTAKI), Péter Szolgay (PPKE), and Tibor Tóth (ME). The members of the Organizing Committee were Balázs Bánhelyi, Rudolf Ferenc, Tamás Gergely, Zoltán Kincses, and Kálmán Palágyi.

There were more than 60 participants and 46 talks in several fields of computer science and its applications. The talks were going in sections in computer graphics, computer networks, database theory, discrete mathematics, distributed computing, image and signal processing, numerical analysis, optimization, software engineering, and stochastic processes. The talks of the students were completed by two plenary talks of leading scientists: András Kornai (Department of Computer Science, Boston University) and Horst R. Thieme (Department of Mathematics and Statistics, Arizona State University).

The scientific journal *Acta Cybernetica* offered students to publish the paper version of their presentations after a selection and review process. Eighteen manuscripts were submitted for publication. The present special issue of *Acta Cybernetica* contains 13 such papers.

The full program of the conference, the collection of the abstracts and further information can be found at <http://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 in the end of June 2014 in Szeged.

Kálmán Palágyi
Guest Editor