



PROCEEDINGS

9th BALKAN CONFERENCE IN INFORMATICS

26-28 September 2019

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Preface

Welcome to the 9th Balkan Conference in Informatics (BCI'2019) held at the Technical University of Sofia, Bulgaria, from 26th to 28th September 2019. Each two years the BCI series of conferences provide a forum for discussions and dissemination of research accomplishments in computer science and information technologies, promote interaction and collaboration among scientists from the Balkan countries and the rest of the world and encourage involvement of young researchers from the region. The 9th Balkan conference in informatics (BCI'2019) continues the tradition of BCI conferences held in Skopje (2017), Craiova (2015), Thessaloniki (2013), Novi Sad (2012), Thessaloniki (2009), Sofia (2007), Ohrid (2005), and Thessaloniki (2003).

The BCI'2019 received 73 submissions from authors coming from 14 different countries (Albania, Angola, Australia, Bulgaria, France, Greece, Hungary, North Macedonia, Norway, Romania, Serbia, Slovak Republic, United Kingdom, USA). The papers' selection process was very thorough. An average of four reviews were appointed for each paper. The BCI'2019 program committee accepted 24 full papers (8 pages) representing acceptance rates of 32.87% for the full papers and accepted also 12 short papers (4 pages).

The invited keynote speakers of BCI'2019 are Prof. Lefteris Angelis from the School of Informatics, Aristotle University, Thessaloniki, Greece and Prof. Petia Georgieva from the Department of Electronics Telecommunications and Informatics, University of Aveiro, Portugal.

Three accompanying workshops are being held during BCI'2019: Workshop on Technology Enhanced Learning (WoTEL 2019), First Workshop on Information Security 2019, UNITE 2019 Workshop „Smart and Sustainable Cities“. During these workshops 20 additional papers will be presented.

The organization of the BCI'2019 was a team effort. We first thank the authors for providing the excellent papers. We are grateful to the Steering Committee Chair and the Steering Committee members who promoted the conference. We would like to deeply thank the Program Committee members for their timely collaboration in the reviewing process and for providing valuable feedback to the authors, and the organizing committee for their hard work taking care of everything to allow one more successful organization of a BCI conference.

The BCI'2019 was hosted and supported by the Technical University of Sofia, Bulgaria. The organization and logistics of the venue were carried out by the Faculty of Computer Systems and Technologies.

The BCI'2019 event would not have been a success without the generous support of the conference sponsors: VMware Bulgaria, Visteon Electronics Bulgaria, Kontrax JSC, SAP Labs Bulgaria.

We hope you will enjoy BCI'2019!

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George Eleftherakis, The University of Sheffield, International Faculty, CITY College, Greece

Milena Lazarova, Technical University of Sofia, Faculty of Computer Systems and Technologies, Bulgaria

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