

Preface

This volume contains the papers presented at the 9th International Conference on Informatics in Schools: Situation, Evolution and Perspective – ISSEP 2016. The conference, held during October 13–15, was hosted at the University of Münster, Germany. The ISSEP series started in 2005 in Klagenfurt. It was followed by meetings in Vilnius (2006), Torun (2008), Zürich (2010), Bratislava (2011), Oldenburg (2013), Istanbul (2014), and Ljubljana (2015).

The conference focuses on educational goals and objectives of informatics or computer science as a subject matter in primary and secondary schools (K-12 education) and their different realization in compulsory and voluntary courses. It provides an opportunity for researchers and educators to reflect upon the goals and objectives of the subject, its curricula and various teaching and learning paradigms and topics, possible connection to every day life, and various ways of establishing informatics education in schools. Consequently, the papers published in this volume present different aspects of computer science education and in particular computer science teaching with a goal to *improve informatics knowledge*, and what is particular interesting, *to change perception and attitude towards informatics and/or computer science*. Papers address many educational topics including teaching and learning materials, teacher training, various forms of assessment, traditional and innovative educational research design, motivating competitions like Bebras, and we are very happy that they also touch issues such as the motivation of girls for computer science.

This year, the conference was held together with the 11th Workshop in Primary and Secondary Computing Education – WiPSCE 2016. It gave the opportunity to bring together both communities and get a broader dissemination of the results.

The conference received 50 submissions. Each submission was reviewed by at least three Program Committee members and evaluated with respect to its quality, originality, and relevance to the conference. The committee decided to accept 17 papers to be published in the LNCS proceedings, which corresponds to 34 % of received papers. The decision process was made electronically using the EasyChair management system. And last but not least, since the ISSEP was colocated with the WiPSCE, this, besides bringing together a larger community and giving both conferences a bigger dissemination impact, also made it possible to have three invited talks by Marc J. de Vries, by Raymond Lister, and by Gilles Dowek. The abstract of the last one is also included in this volume.

We would like to thank all those who contributed to this conference becoming a success: the authors who responded to the call for papers, the members of the Program Committee and the additional reviewers who carefully read the papers and wrote reports that allowed authors to improve their submissions, the invited speakers who shared their experience and thinking with the audience. Special thanks also goes to Georges-Louis Baron, who organized the poster session, and Peter Micheuz for the organization of work-shops. We would like to warmly thank Jan Vahrenhold, chair of

WIPSCE, who accepted an extra workload by hosting ISSEP and who managed to make the co-hosting of both conferences a real success. We also thank the members of the Organizing Committee from the University of Münster.

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