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Sergei N. Pozdniakov · Valentina Dagienė (Eds.)

Informatics in Schools

Fundamentals of Computer Science and Software Engineering

11th International Conference on Informatics in Schools:
Situation, Evolution, and Perspectives, ISSEP 2018
St. Petersburg, Russia, October 10–12, 2018
Proceedings

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Preface

This volume contains the papers presented at the 11th International Conference on Informatics in Schools: Situation, Evolution and Perspectives (ISSEP 2018). The conference was held at the St. Petersburg Electrotechnical University LETI, Russia, during October 10–12, 2018.

ISSEP is a forum for researchers and practitioners in the area of informatics education, in both primary and secondary schools (K12 education). It provides an opportunity for educators to reach the goals and objectives of this subject, its curricula, and various teaching/learning paradigms and topics, possible connections to everyday life, and various ways of establishing informatics education in schools. This conference also has a focus on teaching/learning materials, various forms of assessment, traditional and innovative educational research designs, the contribution of informatics to the preparation of individuals for the 21st century, motivating competitions, and projects and activities supporting informatics education in schools. The ISSEP series started in 2005 in Klagenfurt, with subsequent meetings held in Vilnius (2006), Torun (2008), Zurich (2010), Bratislava (2011), Oldenburg (2013), Istanbul (2014), Ljubljana (2015), Münster (2016), and Helsinki (2017). The 11th ISSEP conference was hosted by the St. Petersburg Electrotechnical University LETI, Faculty of Computer Science and Technology. The conference received 74 submissions. Each submission was reviewed by at up to four Program Committee members and evaluated on its quality, originality, and relevance to the conference. Overall, the Program Committee wrote 159 reviews and 79 reviews were prepared by external reviewers. The committee selected 30 papers for inclusion in the LNCS proceedings, leading to an acceptance rate of 40%. The decision process was made electronically using the EasyChair conference management system. ISSEP was federated with a teacher conference for K12 teachers. The conference was geared toward teachers from St. Petersburg, although teachers from other regions also participated. The decision to federate the teacher conference and ISSEP was made so as to bring the results of computer science education research closer to practising K12 teachers. We would like to thank all the authors who responded to the call for papers, the members of the Program Committee, the external reviewers, and last but not least the members of the Organizing Committee.

August 2018

Sergei N. Pozdniakov
Valentina Dagienė

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