

Preface

Formal Concept Analysis is a mathematical theory formalizing aspects of human conceptual thinking by means of lattice theory. As such, it constitutes a theoretically well-founded, practically proven, human-centered approach to data science and has been continuously contributing valuable insights, methodologies and algorithms to the scientific community.

The International Conference “Concept Lattices and Their Applications (CLA)” is being organized since 2002 with the aim of providing a forum for researchers involved in all aspects of the study of FCA, from theory to implementations and practical applications. Previous years’ conferences took place in Horní Bečva, Ostrava, Olomouc (all Czech Republic), Hammamet (Tunisia), Montpellier (France), Olomouc (Czech Republic), Sevilla (Spain), Nancy (France), Fuengirola (Spain), and La Rochelle (France). The eleventh edition of CLA was held in Košice, Slovakia from October 7 to 10, 2014. The event was organized and hosted by the Institute of Computer Science at Pavol Jozef Šafárik University in Košice.

This volume contains the selected papers as well as abstracts of the four invited talks. We received 28 submissions of which 22 were accepted for publication and presentation at the conference. We would like to thank the contributing authors, who submitted high quality works. In addition we were very happy to welcome five distinguished invited speakers: Jaume Baixeries, Hassan Aït-Kassi, Uta Priss, and Ondrej Cepek. All submitted papers underwent a thorough review by members of the Program Committee with the help of additional reviewers. We would like to thank all reviewers for their valuable assistance. A selection of extended versions of the best papers will be published in a renowned journal, pending another reviewing process.

The success of such an event heavily relies on the hard work and dedication of many people. Next to the authors and reviewers, we would also like to acknowledge the help of the CLA Steering Committee, who gave us the opportunity of chairing this edition and provided advice and guidance in the process. Our greatest thanks go to the local Organization Committee from the Institute of Computer Science, Pavol Jozef Šafárik University in Košice, who put a lot of effort into the local arrangements and provided the pleasant atmosphere necessary to attain the goal of providing a balanced event with a high level of scientific exchange. Finally, it is worth noting that we benefited a lot from the EasyChair conference management system, which greatly helped us to cope with all the typical duties of the submission and reviewing process.

October 2014

Karell Bertet
Sebastian Rudolph
Program Chairs of CLA 2014