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Concept Lattices and Their Applications

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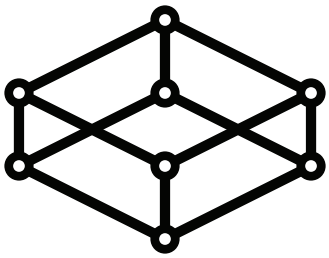
Concept Lattices and Their Applications



CLA 2011

Nancy, France
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Edited by

Amedeo Napoli
Vilem Vychodil

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Preface

The Eighth International Conference "Concept Lattices and Applications (CLA 2011)" is held in Nancy, France from October 17th until October 20th 2011. CLA 2011 is aimed at providing to everyone interested in Formal Concept Analysis and more generally in Concept Lattices or Galois Lattices, students, professors, researchers and engineers, a global and an advanced view of some of the last research trends and applications in this field. As the diversity of the selected papers shows, there is a wide range of theoretical and practical research directions, around data and knowledge processing, e.g. data mining, knowledge discovery, knowledge representation, reasoning, pattern recognition, together with logic, algebra and lattice theory.

This volume includes the selected papers and the abstracts of the 7 invited talks. This year there were initially 47 submissions from which 27 papers were accepted as full papers and 3 papers as posters. We would like to thank here the authors for their work, often of very good quality, the members of the program committee and the external reviewers who did a great job as this can be seen in their reviews. This is one witnesses of the growing quality and importance of CLA, highlightening its leading position in the field.

Next, this year is a little bit special while the bicentennial of the birth of Evariste Galois (1811–1832) is celebrated, particularly in France. Evariste Galois has something to do with Concept Lattices as they are based on a so-called "Galois connection". Among the invited speakers, some of them will discuss of these fundamental aspects of Concept Lattices. Moreover, this is also the occasion of thanking the seven invited speakers who, at least we hope that, will meet the wishes of the attendees.

We would like to thank firstly our first sponsors, namely the CNRS GDR I3 and Institut National Polytechnique de Lorraine (INPL). Then we would like to thank the steering committee of CLA for giving us the occasion of leading this edition of CLA, the conference participants for their participation and support, and people in charge of the organization, especially Anne-Lise Charbonnier, Nicolas Alcaraz and Mehdi Kaytoue, whose help was very precious in many occasions.

Finally, we also do not forget that the conference was managed (quite easily) with the Easychair system, paper submission, selection, and reviewing, and that Jan Outrata has offered his files for preparing the proceedings.

October 2011

Amedeo Napoli
Vilem Vychodil
Program Chairs of CLA 2011