

Contents

Invited Contribution

An Invitation to Knowledge Space Theory	3
<i>Bernhard Ganter, Michael Bedek, Jürgen Heller, and Reinhard Suck</i>	

Historical Paper

Implications and Dependencies Between Attributes	23
<i>Bernhard Ganter, Rudolf Wille, Daniel Borchmann, and Juliane Prochaska</i>	

Regular Contributions

The Implication Logic of (n, k) -Extremal Lattices	39
<i>Alexandre Albano</i>	
Making Use of Empty Intersections to Improve the Performance of CbO-Type Algorithms	56
<i>Simon Andrews</i>	
On the Usability of Probably Approximately Correct Implication Bases	72
<i>Daniel Borchmann, Tom Hanika, and Sergei Obiedkov</i>	
FCA in a Logical Programming Setting for Visualization-Oriented Graph Compression	89
<i>Lucas Bourneuf and Jacques Nicolas</i>	
A Proposition for Sequence Mining Using Pattern Structures	106
<i>Victor Codocedo, Guillaume Bosc, Mehdi Kaytoue, Jean-François Boulicaut, and Amedeo Napoli</i>	
An Investigation of User Behavior in Educational Platforms Using Temporal Concept Analysis	122
<i>Sanda-Maria Dragos, Christian Săcărea, and Diana-Florina Șotropa</i>	
Hierarchies of Weighted Closed Partially-Ordered Patterns for Enhancing Sequential Data Analysis	138
<i>Cristina Nica, Agnès Braud, and Florence Le Ber</i>	
First Notes on Maximum Entropy Entailment for Quantified Implications . . .	155
<i>Francesco Kriegel</i>	

Implications over Probabilistic Attributes	168
<i>Francesco Kriegel</i>	
On Overfitting of Classifiers Making a Lattice	184
<i>Tatiana Makhalova and Sergei O. Kuznetsov</i>	
Learning Thresholds in Formal Concept Analysis	198
<i>Uta Priss</i>	
The Linear Algebra in Extended Formal Concept Analysis Over Idempotent Semifields	211
<i>Francisco José Valverde-Albacete and Carmen Peláez-Moreno</i>	
Distributed and Parallel Computation of the Canonical Direct Basis	228
<i>Jean-François Viaud, Karell Bertet, Rokia Missaoui, and Christophe Demko</i>	
Author Index	243

Formal Concept Analysis

14th International Conference, ICFCA 2017, Rennes,
France, June 13-16, 2017, Proceedings

Bertet, K.; Borchmann, D.; Cellier, P.; Ferré, S. (Eds.)

2017, XVIII, 243 p. 79 illus., Softcover

ISBN: 978-3-319-59270-1