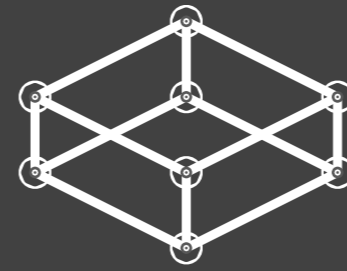LBM 2008 (CLA 2008)

LBM 2008
CLA 2008

Proceedings of the Lattice-Based Modeling Workshop, in conjunction with

The Sixth International Conference on Concept Lattices and Their Applications

In recent years two different modeling approaches, namely Lattice Computing (LC) and Formal Concept Analysis (FCA), have emerged based on lattice theory. More specifically, first, LC is lattice-theory-based Computational Intelligence with emphasis on semantics including clustering, classification, and regression applications. Second, FCA is lattice-theory-based knowledge representation and pattern analysis with emphasis on database processing applications.

Workshop focus

▶ venue of LC, FCA and similar lattice research towards cross-fertilization,
▶ new application domains, e.g. Human-Computer Interaction, involving lattice-ordered data such as logic values, numbers, sets, (strings of) symbols, graphs, etc.,
▶ relevant mathematical (algebraic, etc.) tools.

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