

Things to Do in Formal Concept Analysis

Bernhard Ganter

TU–Dresden, Germany

Abstract. After one third of a century, Formal Concept Analysis still exists. Some of the younger researchers in the field were not even born when Rudolf Wille’s seminal paper “Restructuring lattice theory: an approach based on hierarchies of concepts” was published in 1982. In our talk we shall discuss the present status of the field, its strengths and weaknesses, and sketch some possibilities for its future. We discuss several potential projects which we find promising, some in the theoretical foundations, some for applications, and others concerning the necessary philosophical foundations. Our view will be very subjective and hopefully controversial. We hope to induce a discussion which makes the research potential of the field apparent, and which can inspire new research activities.

Keywords: Formal Concept Analysis

References

1. Ganter, B., Obiedkov, S.A.: Conceptual Exploration. Springer (2016)
2. Ganter, B., Wille, R.: Formal Concept Analysis – Mathematical Foundations. Springer (1999)