

MULTIOBJECTIVE OPTIMIZATION IN INDUSTRIAL APPLICATIONS

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ABSTRACT

This minisymposium brings together specialists from different fields working with industrial applications of multiobjective optimization. The aim is to highlight recent advances in both theory and practice in solving challenging real-world problems. Typically, these kinds of problems are based on numerical simulation of complex phenomena which are often multidisciplinary by nature. Continuing increase in complexity of industrial optimization problems requires more robust techniques in simulation and optimization. An important issue is to combine theory and practice in order to obtain more accurate solutions efficiently for computationally demanding problems.

Several applications as well as multiobjective optimization techniques are presented. Applications are related to chemical and papermaking process design [1,2], and medical treatment planning, for example. This minisymposium consists of one session including six presentations of 20 minutes. The speakers will come from different organizations and institutions.

REFERENCES

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