

Invited session:
PDE Constrained Optimization

Organizer:

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The subject of PDE constrained optimization has recently received a strong collaborative impulse by scientists from numerics and optimization, which, among other effects, resulted in the recent German DFG-priority program on this topic. PDE constrained optimization is focused on optimization methods, which take into account structures which arise from PDEs and their discretizations in model based optimization problems. Also, additional challenges arise which have to be faced. The session features a selection of issues and results which have been investigated within the field of PDE constrained optimization.