OTTO VON GUERICKE UNIVERSITÄT MAGDEBURG

STUDENT CHAPTER OF SIAM MAGDEBURG

ol

n 2020 of the**MAgdeburg Lectures on Optimization and Control**
IAM Student Chapter Magdeburg and given by Prof. Zoran
batia. The MALOC lectures are a special format, where every semest
to come to Magdeburg to present their latest research to
e in Magdeburg.

appen in person but be an an online event, so feel free to join from
on ;-)

adrovi/nastavnici-i-suradnici/26-homepage/odjel/kadrovi/homepages/119-zor

echanical systems. Vibration reduction is very important in the study
g optimization. In damping optimization, the principal goal is to
sure optimal evanescence of systemâ€™s solution (i.e. evanescence
optimality measures for that purpose, which depend on particular
blem formulation and give an overview of a different optimality
sampling-free model reduction of systems, which can be applied for
so applied for model reduction of linear dynamical systems having an
n the state matrix. We propose an approach that requires neither
ad, we represent the system response function as a composition of
with a purely parameter-dependent function. The parametric structure
o the development of optimization strategies making use of efficient
ng optimization of vibrating structures. We illustrate our approach on

be start at 3.00 p.m..

(https://bbb.mpi-magdeburg.mpg.de/meeting/MALOC2020)

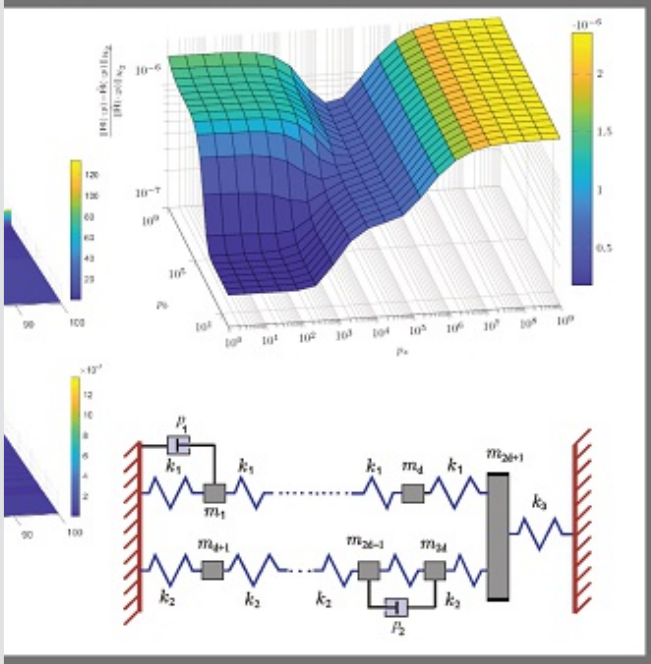
nization and Control

Tomljanović

y of Osijek

in mechanical systems
odel reduction

:00-16:30 Online-Event



ngineering and Information Technology

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ystems: Biosystems Engineering

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