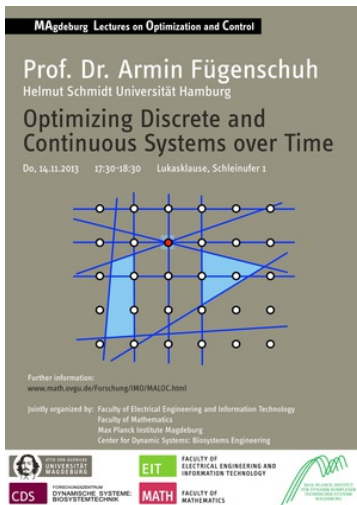


MAGDEBURG LECTURES ON OPTIMIZATION AND CONTROL

Past Events

Vortrag Prof. Armin Fügenschuh

November 14, 2013, 5.30 p.m. at Lukasklasse, Schleiufer 1



Optimizing Discrete and Continuous Systems over Time

> more ... (<https://www.maloc.ovgu.de/Past/Armin+F%C3%BCgenschuh.html>)

Sven Leyffer

Recent Advances in Mixed-Integer Nonlinear Optimization Time & Place

The presentation on October 16, 2013 will be given in the Lukas Klasse > (Schleiufer 1, 39104 Magdeburg) (<http://ifatwww.et.uni-magdeburg.de/syst/maloc/seminars/Standort%20Lukas%20Klasse.pdf>) and starts at 5.30 p.m.

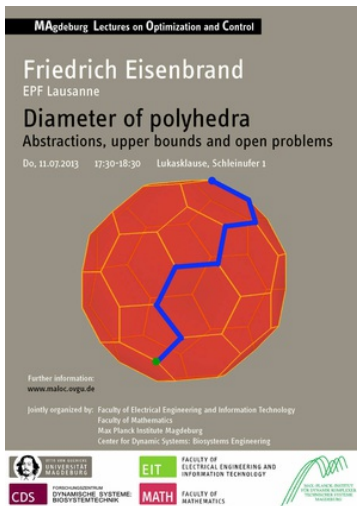
> more ... (<https://www.maloc.ovgu.de/Past/Sven+Leyffer.html>)



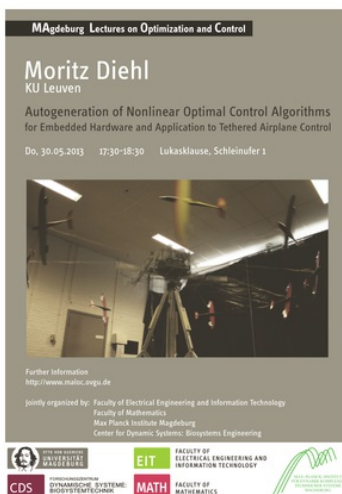
Friedrich Eisenbrand

Diameter of polyhedra: Abstractions, upper bounds and open problems

> more ... (<https://www.maloc.ovgu.de/Past/Friedrich+Eisenbrand.html>)



Moritz Diehl

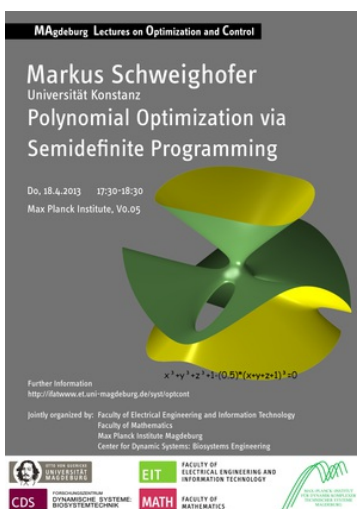


Autogeneration of Nonlinear Optimal Control Algorithms for Embedded Hardware and Application to Tethered Airplane Control Time & Place

The presentation on May 30, 2013 will be given in the Lukas Klausur
> (Schleifufer 1, 39104 Magdeburg) (<http://ifatwww.et.uni-magdeburg.de/syst/maloc/seminars/Standort%20Lukas%20Klausur.pdf>) and starts at 5.30 p.m.

> more ... (<https://www.maloc.ovgu.de/Past/Moritz+Diehl.html>)

Markus Schweighofer



Polynomial Optimization via Semidefinite Programming Time & Place

The presentation will be given on April 18, 2013 at 5.30 p.m. and takes place in the seminar room V 0.05/2-3. > This is the Max-Planck-Institute at Sandtorstraße 1. (<http://www.de.mpi-magdeburg.mpg.de/institute/way.de.html>)

> more ... (<https://www.maloc.ovgu.de/Past/Markus+Schweighofer.html>)

Volker Mehrmann

Modelling, Simulation and Optimal Control of Descriptor Systems Time & Place

The presentation will be given on January 31, 2013 at 5 p.m. and takes

Magdeburg Lectures on Optimization and Control

Volker Mehrmann
 Institute for Mathematics, Technische Universität
 Berlin + DFG Research Center Matheon

**Modelling, Simulation and Optimal
 Control of Descriptor Systems**

Do, 31.01.2013 17:00-18:00
 Max-Planck-Institute Magdeburg, Sandtorstraße 1

Further information
<http://ifatawww.et.uni-magdeburg.de/syst/optcont>



place at the › Max Planck Institute, V0.05/2-3 (<http://www.mpi-magdeburg.mpg.de/institute/way.en.html>)

› more ... (<https://www.maloc.ovgu.de/Past/Volker+Mehrmann.html>)

Didier Henrion

Magdeburg Lectures on Optimization and Control

Didier Henrion
 LAAS-CNRS, University of Toulouse

**Convex Computation of the Region of Attraction
 of Polynomial Control Systems**

Mi, 28.11.2012 15:30-16:30
 Max-Planck-Institut, V0.05.2-3

$\dot{x}(t) = f(x(t)), x(0) \in X \subset \mathbb{R}^n, t \in [0, T]$

$\mu(A) = \mathbb{R}^n \setminus \Omega = \int_{\Omega} \mathbb{1}_{\Omega}(x) dx$

Further information
<http://ifatawww.et.uni-magdeburg.de/optcont>



Convex Computation of the Region of Attraction of Polynomial Control Systems

Time & Place

The presentation will be given on November 28, 2013 at 3.30 p.m. and takes place at the › Max Planck Institute, V0.05/2-3 (<http://www.mpi-magdeburg.mpg.de/institute/way.en.html>)

› more ... (<https://www.maloc.ovgu.de/Past/Didier+Henrion.html>)

Paul I. Barton

Magdeburg Lectures on Optimization and Control

Paul Barton
 Process Systems Engineering Laboratory
 Massachusetts Institute of Technology

**Global Optimization with
 Differential Equations Embedded**

Mo, 26.11.2012 17:30-18:30
 Lukasklausur Magdeburg, Schleiufer 1

$\min_{p \in \mathcal{P}} \int_{t_0}^{t_f} L(x(t), p) dt$

$\dot{x}(t) = f(x(t), p), x(t_0) = x_0, x(t_f) = x_f$

$x \in \mathbb{R}^n, p \in \mathcal{P}$

Further information
<http://ifatawww.et.uni-magdeburg.de/syst/optcont>



Global Optimization with Differential Equations Embedded

Time & Place

The presentation on November 26, 2012 will be given in the Lukas Klausur › (Schleiufer 1, 39104 Magdeburg) (<http://ifatwww.et.uni-magdeburg.de/syst/maloc/seminars/Standort%20Lukas%20Klausur.pdf>) and starts at 5.30 p.m.

› more ... (https://www.maloc.ovgu.de/Past/Paul+I+_Barton-p-656.html)



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MAX PLANCK INSTITUT
FÜR DYNAMIK KOMPLEXER
TECHNISCHER SYSTEME
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MATHEMATIK



FORSCHUNGSZENTRUM
DYNAMISCHE SYSTEME:
BIOSYSTEMTECHNIK