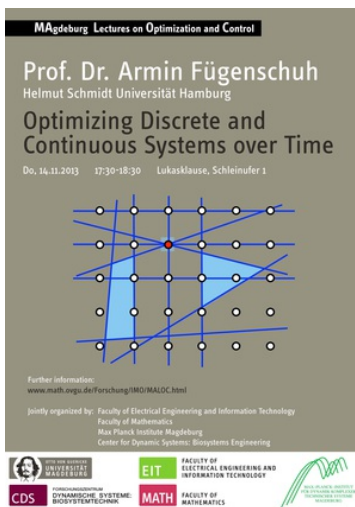


MAGDEBURG LECTURES ON OPTIMIZATION AND CONTROL

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

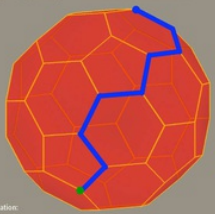
> more ... (<https://www.maloc.ovgu.de/Past/Friedrich+Eisenbrand.html>)

MAgdeburg Lectures on Optimization and Control

Friedrich Eisenbrand
EPF Lausanne




Diameter of polyhedra
Abstractions, upper bounds and open problems

Do, 11.07.2013 17:30-18:30 Lukasklausur, Schleifufer 1



Further information:
www.maloc.ovgu.de

jointly organized by: Faculty of Electrical Engineering and Information Technology
Faculty of Mathematics
Max Planck Institute Magdeburg
Center for Dynamic Systems: Biosystems Engineering


Moritz Diehl

MAgdeburg Lectures on Optimization and Control

Moritz Diehl
KU Leuven




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

Do, 30.05.2013 17:30-18:30 Lukasklausur, Schleifufer 1



Further information:
<http://www.maloc.ovgu.de>

jointly organized by: Faculty of Electrical Engineering and Information Technology
Faculty of Mathematics
Max Planck Institute Magdeburg
Center for Dynamic Systems: Biosystems Engineering

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>)

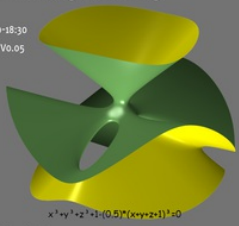
Markus Schweighofer

MAgdeburg Lectures on Optimization and Control

Markus Schweighofer
Universität Konstanz




Polynomial Optimization via Semidefinite Programming

Do, 18.4.2013 17:30-18:30
Max Planck Institute, V0.05



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

jointly organized by: Faculty of Electrical Engineering and Information Technology
Faculty of Mathematics
Max Planck Institute Magdeburg
Center for Dynamic Systems: Biosystems Engineering

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

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

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

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

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

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

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

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://ifatawww.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)



FAKULTÄT FÜR
ELEKTROTECHNIK UND
INFORMATIONSTECHNIK



MAX PLANCK INSTITUT
FÜR DYNAMIK KOMPLEXER
TECHNISCHER SYSTEME
MAGDEBURG



FAKULTÄT FÜR
MATHEMATIK



FORSCHUNGSZENTRUM
DYNAMISCHE SYSTEME:
BIOSYSTEMTECHNIK