



VORTRAG

Im Rahmen des

Forschungszentrums für Modellierung und Simulation (MODUS)

spricht

Herr Prof. Dr. Christian Clason
Universität Duisburg-Essen

am **Freitag, 16. Juni 2017**, 10 Uhr c.t., S 106, FAN B

über das Thema

“Convex relaxation of hybrid discrete-continuous control problems”

Abstract:

We consider control problems for partial differential equations where the distributed control should take on values only from a given discrete and hence non-convex set. Such problems occur for example in parameter identification or topology optimization. Similar to their use in sparse optimization, L1-type norms can be used to formulate a convex relaxation which can be solved by semi-smooth Newton methods. We illustrate this approach using linear model problems and discuss the extension to vector-valued and nonlinear control problems.

Im Namen des Forschungszentrums lade ich ganz herzlich zu diesem Vortrag ein.

Prof. Dr. Anton Schiela