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**7th KoMSO CHALLENGE WORKSHOP**

# **Mathematical Modeling, Simulation and Optimization for Energy Conservation**

**OCTOBER 8 & 9, 2015**

Heidelberg Academy of Sciences and Humanities  
Karlstraße 4, 69117 Heidelberg

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## 7th KoMSO CHALLENGE WORKSHOP

# Mathematical Modeling, Simulation and Optimization for Energy Conservation

Energy efficiency remains the second pillar of the Energiewende. In keeping with its energy concept, it is the German government's long-term objective to reduce energy consumption by 50 percent until 2050 compared to the respective figures in 2008.

It is the goal of this workshop to evaluate the potential of mathematical modeling, simulation and optimization (MSO) for energy conservation in industrial systems and processes and to identify new relevant MSO methods in this respect.

Practical aim of this workshop is to lay the content-related groundwork for a call for proposals, e.g. with the Federal Ministry of Education and Research (BMBF) or the Federal Ministry of Economics and Technology (BMWi).

Furthermore, this event serves as platform for industrial and academic exchange regarding the complex issue of mathematical MSO for energy conservation.

We kindly invite your contribution and participation. Note that the number of participants is limited. Please register for free at [www.komso.org](http://www.komso.org).

Preferred workshop language is English.

Participants include representatives of: ABB AG, Daimler AG, EQUA Solutions AG, Lufthansa Systems, TLK-Thermo GmbH.

KoMSO – Committee for Mathematical Modeling, Simulation and Optimization  
Coordination Office

IWR – Interdisciplinary Center for Scientific Computing  
Im Neuenheimer Feld 368 | 69120 Heidelberg | Germany  
T:+49 (0)6221 – 54-8886 | [komso@iwr.uni-heidelberg.de](mailto:komso@iwr.uni-heidelberg.de)

[www.KoMSO.org](http://www.KoMSO.org)

