



UNIVERSITÄT HEIDELBERG ZUKUNFT SEIT 1386 SPONSORED BY THE

Federal Ministry of Education and Research

SIEMENS Ingenuity for life



ZeTeM, University of Bremen

The center for industrial mathematics (ZeTeM), University of Bremen, Germany, is specialized in optimization and control as well as data analysis for applications in engineering and life sciences.

The two main areas of expertise are modelling, simulation and optimization for automotive applications and space technology as well as machine learning in medical image reconstruction and digital pathology.

More than 70 scientists are working in close collaboration with a broad range of industrial partners. In addition, ZeTeM is hosting a Master program in industrial mathematics, which adds a continuous flow of young talents.

Siemens – Corporate Technology

For nearly 170 years, pioneering technologies and the business models developed from them have been the foundation of Siemens' success.

Siemens' central research and development unit – Corporate Technology (CT) – plays an important role in this. Together with its global network of experts, CT is a strategic partner to Siemens' operative units. It provides important services along the entire value chain – from research and development to production and quality assurance, as well as optimized business processes. The support provided to the businesses in their research and development activities is ideally balanced with CT's own future-oriented research.

Programme-associated Activities BMBF funding priority "Mathematics for Innovations" Interdisciplinary Center for Scientific Computing (IWR)

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CHALLENGE WORKSHOP

Digital Twins: Industrial and Mathematical Challenges

MAY 7 & 8, 2019 Heidelberg Academy of Sciences and Humanities Karlstraße 4, 69117 Heidelberg www.KoMSO.org



TUESDAY – MAY 7, 2019

WEDNESDAY – MAY 8, 2019

12:00	Arrival, Registration	09:00	Discussion Summary of previous day
12:30	Casual lunch	09:15	Hergen Schultze, BASF SE Talk 6
13:30	Peter Maaß, ZeTeM, University of Bremen Address of Welcome	09:45	Thomas Schuster, Saarland University Talk 7
13:45	Wil Schilders, EU-MATHS-IN Talk 1	10:15	Coffee Break / Poster Session
14:15	Dirk Hartmann, Siemens AG Talk 2	10:45	Hans Georg Bock, Heidelberg University Talk 8
14:45	Carsten Dietze-Selent, SAP SE Talk 3	11:15	Podium Discussion
15:15	Group Photo / Coffee Break		
15:45	Christof Büskens, ZeTeM, University of Bremen Talk 4		
16:15	Hanno Schülldorf. Deutsche Bahn AG		

Talk 5

- 16:45 Discussion
- 19:00 Workshop Dinner Vetter's Alt Heidelberger Brauhaus Steingasse 9 • 69117 Heidelberg