

**Friday, 28 April 2017:  
Coupling of Models**

Time	Title	Speaker
<b>Session V</b>	<b>Multiphase &amp; Multiscale Modelling</b>	
9:00 – 10:30	From pore-scale physics to multiphase models for engineering problems	H. Steeb (Uni Stuttgart)
	...	...
	...	...
	<i>coffee break</i>	
<b>Session VI</b>	<b>Problems of Coupling</b>	
11:00 – 13:00	Coupling of Models	D. Legatiuk (BUW)
	...	...
	...	...
	...	...
	<i>lunch break</i>	
<b>Session VII</b>	<b>Inverse and Meta Modelling</b>	
14:00 – 16:00	Inverse and Ill-Posed Problems in Coupled Systems	T. Lahmer (BUW)
	Surrogate Models for Real-Time Predictions in Mechanized Tunneling	St. Freitag (RUB)
	...	...
	...	...
	<i>coffee break &amp; closing</i>	

**Cultural Event: Bauhaus walk & Welcome Reception**

**GRK 1462  
International Workshop**

## Coupled Numerical and Experimental Models in Structural Engineering

**preliminary time schedule**

**26th - 28th April 2017  
Weimar, Germany**

**Wednesday, 26 April 2017:  
Models in Theory and Practice**

Time	Title	Speaker
12:30	Registration	
13:00 - 13:30	Opening	Prof. Beucke (Rector) Prof. Werner
13:30 - 14:30	Climate Models – Challenges, Techniques & Quality	G. Feulner (PIK)
	<i>coffee break</i>	
	<b>Session I</b> <b>Models in Society and Technics</b>	
15:30 - 17:30	Models from Theory into Practice	F. Werner (BUW)
	Interaction Modeling in Mechanized Tunneling	G. Meschke (RUB)
	Structural optimization under stochastic uncertainty	Ch. Bucher (TU Vienna)
	Designing Uncertainties in Robust Design	T. Most (DYNARDO)

**Cultural Event: Bauhaus walk & Welcome Reception**

**Thursday, 27 April 2017:  
V&V and DoE**

Time	Title	Speaker
	<b>Session II</b> <b>Validation &amp; Verification</b>	
9:00 – 10:10	Efficient Reliability Analysis of Systems in Uncertain Environments	M. Beer (Uni Hannover)
	Structural steel design by experiments and FE analysis	L. Dunai (BME)
	<i>coffee break</i>	
10:40 – 12:40	Numerical simulations and modelling synthesis	G. Solari (Uni of Genova)
	...	...
	<i>lunch break</i>	
	<b>Session III</b> <b>Design of Experiments</b>	
13:30 – 15:15	Probabilistic Analysis of a Cavern in Rock Salt with Application to Energy Storage Systems	T. Schanz (RUB)
	...	...
	...	...
	...	...
	<i>coffee break</i>	
	<b>Session IV</b> <b>Experiments &amp; Monitoring</b>	
15:45 – 18:00	GRK 1462 - Reference object: Tower	V. Zabel (BUW)
	GRK 1462 - Reference object: Poles	M. Kraus (BUW)
	...	...
	...	...

**Cultural Event: Dinner**