

Sektion 8

Numerik

Michael Günther (Wuppertal), Ralf Kornhuber (Berlin), Caren Tischendorf (Köln)

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Dienstag, 20. September**Mathematisches Institut, S3**

- 14:00 Roswitha März (Berlin)
Computational aspects of detecting DAE structures I
- 14:30 René Lamour (Berlin)
Computational aspects of detecting DAE structures II
- 15:00 Lennart Jansen (Köln)
Semiexplicit methods for differential-algebraic equations
- 15:30 Caren Tischendorf (Köln)
DAE index calculation and consistent initialization of multiphysical network models
- 16:00h – 16:30h Pause**
- 16:30 Michael Matthes (Köln)
Coupled systems as abstract differential-algebraic equations
- 17:00 Flavius Guias (Dortmund)
A time-adaptive numerical scheme for evolution partial differential equations based on path simulation of Markov jump processes
- 17:30 Roland Pulch (Wuppertal)
Stochastic Galerkin methods for partial differential equations with random parameters

Donnerstag, 22. September**Seminargebäude, S15**

- 14:00 Bernd Simeon (Kaiserslautern)
Isogeometrische Schalen für flexible Mehrkörpersysteme
- 14:30 Sebastian Schöps (Wuppertal)
Mehrskalungsverfahren für die Feld-/Netzwerkkopplung
- 15:00 Tanja Clees (Köln)
Adaptive hierarchical RBF metamodels with industrial applications
- 15:30 Sascha Baumanns (Köln)
Analysis and simulation of coupled circuit/field problems