

Minisymposium 8

Geomathematik

Volker Michel (Siegen)

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Mittwoch, 21. September**Seminargebäude, S25**

- 14:15 Volker Michel (Siegen)
Opening
- 14:30 Willi Freeden (Kaiserslautern)
Spherical Discrepancies
- 15:00 Katrin Bentel (Ås)
Point Grid Positions for Radial Base Functions and Their Effect in Regional Gravity Field Representations
- 15:30 Roger Telschow (Siegen)
Nonlinear Approximation of Spherical Functions with Dictionaries
- 16:00h – 16:30h Pause**
- 16:30 Doreen Fischer (Siegen)
Sparse Regularization of an Inversion of Gravitational Data and Normal Mode Anomalies
- 17:00 Kamil S. Kazimierski (Bremen)
Efficiency of Iterative Regularization Methods Using Banach Space Norms
- 17:30 Sergei Pereverzev (Linz)
Multiparameter Regularization in Geodetic Data Processing
- 18:00 Robert Plato (Siegen)
The Regularizing Properties of Some Quadrature Methods for Linear Weakly Singular Volterra Integral Equations of the First Kind

Donnerstag, 22. September**Seminargebäude, S25**

- 14:00 Zuhair Nashed (Orlando, Florida)
t.b.a.
- 14:30 Isabel Ostermann (Kaiserslautern)
Modeling Heat Transport in Deep Geothermal Systems by Radial Basis Functions
- 15:00 Jörn Behrens (Hamburg)
A Practical Application of Uncertainty Propagation for Tsunami Early Warning
- 15:30 Roland Potthast (Offenbach)
Convergence Criteria on Ensembles for Local Ensemble Filters and Their Use for Ensemble Control
- 16:00h – 16:30h Pause**

- 16:30 Johannes Wicht (Kattlenburg-Lindau)
Towards Realistic Planetary Dynamo Simulations
- 17:00 Christian Gerhards (Kaiserslautern)
Multiscale Methods in Geomagnetic Modeling
- 17:30 Roelof Rietbroek (Bonn)
The Use of GRACE Gravimetry and Altimetry to Separate Sea Level Contributions
- 18:00 Zdenek Martinec (Dublin)
The Adjoint Sensitivity Method of Global Electromagnetic Induction for CHAMP Magnetic Data
- 18:30 Volker Michel (Siegen)
Conclusions