

Mathematics of Planet Earth



Minisymposium Mathematics of Planet Earth at the ÖMG-DMV Kongress 2013

Organized by

Gert-Martin Greuel, Technische Universität Kaiserslautern

Andreas Daniel Matt, Mathematisches Forschungsinstitut Oberwolfach

Monday, 23.9.2013, 15:30 - 18:30 / Room D

Can mathematics help to control and avoid environmental stress?

Dietmar Kröner, University of Freiburg

Atmospheric Modelling on Arbitrary Grids

Hilary Weller, University of Reading

Essential Principles of Geomathematical Modeling and Their Applications

Willi Freeden, University of Kaiserslautern

What mathematicians can do to save Alpine glaciers?

Guillaume Jovet, Freie Universität Berlin

Tuesday, 24.9.2013, 15:30 - 18:30 / Room C

The Mathematics of Biological Evolution

Peter Schuster, Institute for Theoretical Chemistry, University of Vienna

Modeling, valuation and management of economic risks

Ralf Korn, University of Kaiserslautern

How Mathematics can Help to Observe Climate Change - an Example

Volker Michel, University of Siegen, Geomathematics Group

Generalized mass action systems and Birch's theorem

Georg Regensburger and Stefan Müller, Johann Radon Institute for Computational and Applied Mathematics (RICAM)

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