

Symposium Theme

The International Symposium “Landform – structure, evolution, process control” is hosted by Research Training Group 437 “Landform – a structured and variable boundary layer” of the German Research Foundation (Deutsche Forschungsgemeinschaft, DFG) at the University of Bonn.

The symposium highlights the crucial role played by landform as a boundary surface between atmosphere, hydrosphere, biosphere, pedosphere and lithosphere. The spatial structure of landform in geo-ecosystems and the influences of landform on different processes are central issues for the meeting. Key topics are the configurational status and path dependence of geo-ecosystems, coupling and decoupling of landform and geo-ecosystem components, scaling issues and system complexity.

Five sessions of the symposium will be dedicated to ongoing and completed research activities of the Research Training Group. Each session will be opened by two keynote lectures given by invited experts on the session focus.

A major aim of the symposium is the communication of new approaches, results and questions emerging from current research in the various disciplines dealing with landform and its importance for earth system processes.

This symposium brings together young scientists and senior experts. We especially encourage young geo-scientists at master and postgraduate level to attend our meeting and to present their works.

We invite everybody to join us for fruitful discussions on landform related issues and offer a special poster session open to all participants working on landform related issues.

Organisation and Contact

Conference website:

<http://www.geographie.uni-bonn.de/grksymposium2007>

Symposium manager:

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Deadlines

Call for posters: 31.01.2007

Pre-Registration: 28.02.2007

Symposium Venue

Department of Geography
University of Bonn
Meckenheimer Allee 166
53115 Bonn, Germany



Symposium Steering Committee

Richard Dikau

(Department of Geography, University of Bonn, DE)

Ian Evans

(Department of Geography, University of Durham, UK)

Andreas Käab

(Department of Geosciences, University of Oslo, N)

Jochen Schmidt

(National Institute of Water & Atmospheric Research, NZ)

International Symposium



Research Training Group 437



7.–10.06.2007

Department of Geography
University of Bonn
Germany

Symposium programme

Thursday June, 07th Arrival and Registration

- 12.00 - 18.00 Registration and Poster Set-up
18.00 Icebreaker at the Department of Geography

Friday June, 08th Opening and Session 1

- 08.00 - 09.00 Registration and Poster Set-up
09.00 - 09.15 Opening and Plenary Address:
Richard Dikau(Bonn, DE)

Landform Structure in Earth System Science

- 09.45 - 10.15 *Stuart Lane* (Durham, UK):
Keynote lecture
10.15 - 10.45 *Jo Wood*(London, UK):
Keynote lecture
10.45 - 12.30 Poster Session and Coffee Break
12.30 - 14.00 Lunch

Friday June, 08th Session 2

3D-Modelling, Processing and Visualisation of Landform

- 14.00 - 14.30 *Robert Weibel*(Zurich, CH):
Keynote lecture
14.30 - 15.00 *Marc-Oliver Löwner*(Braunschweig, DE):
Keynote lecture
15.00 - 15.20 Coffee Break
15.20 - 15.50 *Udo Quadt*.
Identifying the landform layer in combined
scene graphs to resolve geometric uncertainty
between geobjects
15.50 - 16.20 *Julian Drerup*.
A new method for semantical-topological
identification of geomorphological objects in
digital elevation models (DEM)
16.20 - 16.50 *Martin Schneider*.
Real-time visualisation of and interaction
with geo data
16.50 - 17.15 Tea Time
17.15 - 18.00 Summary Sessions 1 and 2
19.00 Boat trip and dinner on the Rhine River

Saturday June, 09th Session 3

Landform and Fluxes in Atmospheric and Hydrospheric Systems

- 09.00 - 09.30 *Günter Blöschl*(Vienna, A):
Keynote lecture
09.30 - 10.00 *Roger A. Pielke Sr.* (Boulder, USA):
Keynote lecture
10.00 - 10.30 Coffee Break
10.30 - 11.00 *Herwig Hölzel*.
Analysis and parametrisation of landscape
attributes for soil erosion modelling
11.00 - 11.30 *Rene Graßelt*.
Scales of precipitation and the relief
-the interactions by discharge generation
11.30 - 12.00 *Isabel Alberts*.
Modelling the impact of landform structure on
fog formation
12.00 - 14.00 Lunch

Saturday June, 09th Session 4

Sediment Fluxes and Storage in Periglacial and Hillslope Environments

- 14.00 - 14.30 *Jeff Warburton* (Durham, UK):
Keynote lecture
14.30 - 15.00 *Willfried Haeblerli*(Zurich, CH):
Keynote lecture
15.00 - 15.20 Coffee Break
15.20 - 15.50 *Jan-Christoph Otto*.
Paraglacial sediment storage quantification in
the Turtmann Valley, Swiss Alps
15.50 - 16.20 *Isabelle Roer & Michael Nyenhuis*.
Sediment transfer rates of rock glacier creep:
examples from an alpine geosystem
16.20 - 16.50 *Michael Krautblatter*.
Permafrost in Alpine rockwalls - geophysical
detection and implications for slope stability
16.50 - 17.15 Tea Time
17.15 - 18.00 Summary Sessions 3 and 4

Sunday June, 10th Session 5

Landform Structure and Resilience in Ecosystems

- 09.00 - 09.30 *Michael Gottfried*(Vienna, A):
Keynote lecture
09.30 - 10.00 *Felix Müller*(Kiel, DE):
Keynote lecture
10.00 - 10.30 Coffee Break
10.30 - 11.00 *Ole Rößler*.
Hydrological influences to the ecological
resilience of an Alpine valley
11.00 - 11.30 *Konstanze Kleinod*.
The relation between landform and phyto-
diversity - a multi-scale analysis and spatial
simulation in the Alps
11.30 - 12.00 *Susanne Schmidt*.
Distribution of snow and ice in relation to
the topography in Loetschental, Switzerland
12.00 - 12.30 Summary Session 5
12.30 - 13.30 Symposium summary and closing remarks
Departure

