GEOMORPHORUM

Newsletter of the Geomorphology Specialty Group of the Association of American Geographers

2010-2011, Issue No. 2 **Mark Fonstad, Editor**

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A MESSAGE FROM THE CHAIR

By Mark Fonstad

As incoming Chair of the Geomorphology Specialty Group (GSG), it has been a pleasure to see the 2011 AAG meeting in Seattle come together. Geomorphology is once again very well represented in the meeting. The GSG is sponsoring or co-sponsoring over two dozen sessions, and local field trips to Snoqualmie Falls in the Cascades (Tuesday) and to the Channeled Scablands (Saturday) should be excellent geomorphic excursions.

I would like to highlight two special events at the upcoming AAG meeting. The first is the annual business meeting of the GSG, which will be held Wednesday, April 13, from 7:30pm – 8:30pm in room 606 at the Washington State Convention Center. We will have special guests arriving for the traditional awards period and, of course, the usual elections and announcements for geomorphologists over the coming year. I imagine there may be evening festivities close by immediately following the meeting.

The second special event I would like to highlight is the Taylor-Francis/Routledge Distinguished Lecture on Geomorphology and Society, being held on Friday, April 15, 2011 beginning at 12:40pm in room 608 at the convention center. I am pleased to announce that David R. Montgomery, who will be speaking on the topic of "Dirt and the King of Fish", an amalgam of the topics of his two popular nonfiction works "Dirt: The Erosion of Civilizations" and "King of Fish: The Thousand-Year Run of Salmon". With these popular nonfiction works, Dave is a powerful voice for the relevance of geomorphology in decisions made by societies. Dave is a winner of a 2008 MacArthur "genius" award, and his strong work in theoretical and applied geomorphology and his popular nonfiction writings are seemingly balanced by his escapades as a guitar player in his band Big Dirt.

During the past couple of weeks, I have been helping graduate students in my department prepare for presenting at the AAG meeting, and re-reading "King of Fish". Both remind me of the importance of good, old-

fashioned storytelling in geomorphology. In our haste to present high-quality science, it is all too easy to shortchange the communication aspects of our work. Yet for all of our mastery of the understanding of a bit landscape, a lot of our students and professionals never realize their full potential because they have a hard time conveying their work in a way that excites others and induces them to learn more about their work. Frankly, I am often somewhat disappointed with quite a number of geomorphology talks and papers at various conferences; not with their geomorphology (necessarily), but with their mediocre communication skills. And I don't believe I am alone in this impression; it is a topic that seems to crop up amongst our members at almost every meeting I attend.

Normally this subject of communication is linked with the important discussions on the societal relevance of geomorphology. In addition to its important role in conveying our work to the public, it is important in many other forums as well. It is extremely important in connecting our relevance to our own non-geomorphology colleagues, for example. It is also a very useful skill when seeking to connect with other researchers in an interdisciplinary setting – a common topic for this newsletter column. Whether the communication skills are producing high quality graphics, speaking in a memorable and favorable way, or producing high-quality writing, such skills are a basis of our external recognition. There is so much high-quality geomorphology being performed in this age, we should be more visible than we are currently.

There are a number of ways that we can improve the communication of our geomorphic work. The obvious place to begin is with the recognition that graduate training of geomorphologists should be just as much about learning communication skills as it is about practicing geomorphology well. Good communication skills take time and effort; perhaps we need to reward these efforts more than we do.

Also, we as a discipline should be producing more geomorphology-based books and editorials for non-specialists than we do currently. Such works may not garner the immediate tenure and promotion payoffs as multiple articles would, but they may very well be more meaningful in the larger venues of securing good students, research funding, and social appreciation. Finally, in an age where apparently every teenager knows how to edit and upload videos to the internet, it seems surprising that geomorphologists have produced very few educationally and/or professionally-related films about geomorphology. The tools to do so are readily available to anyone with a computer, some simple software, and time to do a good job at putting pictures, video, and a voiceover together.

I very much appreciate the help from various members of the GSG I have received this year, and also from those I know will be helping out this coming year. I look forward to seeing many of you in Seattle later this month.

Cheers,
Mark

UPCOMING CONFERENCES

2011 AAG MEETING

The 2011 Annual Meeting of the Association of American Geographers (AAG) will be held in Seattle, Washington on April 12–16, 2011 at the Washington State Convention Center and the Seattle Sheraton Hotel.

Graduate Student Paper Competition

The AAG-GSG has moved the student paper presentation competition to be part of the normal AAG session rather than as being part of student-only sessions. This is intended to allow students to be part of sessions based on their research rather than the fact that they are students.

CONGRESS OF THE INTERNATIONAL UNION FOR QUATERNARY RESEARCH (INQUA)

BERNE, SWITZERLAND
JULY 20-27, 2011

Session title:
Palaeofloods in Earth's history

Conveners:
Juergen Herget (Department of Geography, University of Bonn, Germany)
and Neil Macdonald (School of Environmental Sciences, University of Liverpool, United Kingdom)

Keynote speakers:
Christian Pfister (on extraordinary historic flood events in Europe)
Samuel Toucanne (on the Pleistocene Fleuve Manche in the British Channel)

Session description:
Flood events during the Pleistocene and Holocene have significantly changed the Earth's surface, modified climates by changing ocean currents and brought disaster and suffering to settlements throughout history. An improved understanding of the origin, mechanisms and dynamics of past high magnitude floods will help in appreciating and predicting current events and estimating the potential for future flood magnitudes. This is critical in determining potential sources of unexpected events within globally changing environmental conditions, such as melting glaciers, decay of permafrost, or changes in atmospheric circulation patterns.
In this oral and poster session presentations on the interpretation of floods from the Pleistocene to historic

times are welcome. The session will focus on studies of principal importance to the topic, with interpretations and conclusions adaptable to other examples. Poster presentations are strongly encouraged, permitting extended and intensive discussions of particular details.

Abstract deadline: November 30, 2010

For more details on the INQUA congress and instructions for abstract submission visit http://www.inqua2011.ch

REMOTE SENSING, NATURAL HAZARDS AND ENVIRONMENTAL CHANGE

SINGAPORE
JULY 28-29, 2011

Second Announcement:

This conference is organized by the Centre for Remote Imaging, Sensing and Processing (CRISP), National University of Singapore; Laboratoire Magmas et Volcans (LMV), Université Blaise Pascal; and the Working Group for Large Rivers and Climate Change, International Association of Geomorphologists (IAG). It is part of the STIC Asia (sponsored by the French Foreign Office in Southeast Asia) research and exchange programme of Laboratoire Magmas et Volcans involving remote sensing as applied to geological hazard studies between Singapore, Indonesia, the Philippines and France.

The conference is designed to initiate informal discussion and paper presentation in two areas that are significant for the Asia Pacific Region and especially Southeast Asia. First of these involves natural hazards with emphasis on volcanoes, earthquakes, tsunamis and large floods. The second concerns environmental changes including climate change, modification of hydrological and geological processes and urbanization. The application of remote sensing in both observing such phenomena and ameliorating their non-beneficial effects will be emphasized. The conference provides a forum for exchange of views among researchers currently working in this area and for designing research strategies for the future.

Abstract and Paper Submission

Authors who wish to present a paper or poster are requested to submit an abstract (approximately 250 to 600 words). The abstract submission deadline is 15 April 2011. Authors are encouraged to submit a paper (extended abstract, maximum 4 pages, single spacing, 12pt font) for inclusion in the Conference Proceedings CD. In the absence of a paper, only the accepted abstract will appear in the Proceedings. The paper (extended abstract) submission deadline is 1 June 2011. We would also like to publish a selected number of papers in appropriate peer-reviewed journals after the conference.

To submit an abstract on-line, go to the following website hosted at EasyChair.org:

https://www.easychair.org/conferences/?conf=rsnhec2011

The same link can be used to upload your paper (extended abstract) after the abstract submission deadline. If you have difficulty submitting your abstract using the on-line form, please contact: rsnhec2011@easychair.org<mailto:rsnhec2011@easychair.org>

Registration

Registration will be open on the conference homepage early April. Everyone intending to attend the conference must register, including authors. A nominal registration fee entitles participants to all sessions, lunch, coffee breaks, a welcome dinner and a Proceedings CD.

Venue and Hotels

The two-day conference will be held at the Kent Ridge campus of National University of Singapore. Hotel information will be available on the conference homepage in April. Free shuttle buses will be arranged in the morning for transportation from designated hotels to the conference venue.

Conveners:

S. C. Liew, CRISP, National University of Singapore (scliew@nus.edu.sg<mailto:scliew@nus.edu.sg>)

Jean-Claude Thouret, LMV, Université Blaise Pascal (J.C.Thouret@opgc.univbpclermont.fr<mailto:J.C.Thouret@opgc.univ-bpclermont.fr>)

Avijit Gupta, Large Rivers and Climate Change, IAG (avijit@foxhill.demon.co.uk<mailto:avijit@foxhill.demon.co.uk>)

Conference Homepage:
http://www.crisp.nus.edu.sg/conferences/RSNHEC/index.html

Contact Email:
rsnhec2011@easychair.org<mailto:rsnhec2011@easychair.org> (Program)

crskpl@nus.edu.sg<mailto:crskpl@nus.edu.sg> (Registration and local arrangements)

GEOHYDRO 2011

QUEBEC CITY
AUGUST 28-31, 2011

We would like to draw your attention to the following CGRG sponsored session at Geohydro 2011 in Quebec City (August 28-31, 2011). Geohydro 2011 is a joint

meeting of the Canadian Quaternary Association (CANQUA) and the Canadian Chapter of the International Association of Hydrogeologists (IAH-CNC).

Glacier and Ice Sheet hydrology: past and present
Meltwater is an important part of the glacier system controlling both the flow dynamics and stability of glaciers and ice sheets. Yet the spatial and temporal variability of glacier plumbing systems and their necessary links to glacier behavior and dynamics are not fully understood. This session will bring together researchers of both contemporary and past glacial environments, who have focused efforts on describing and quantifying glacier and ice sheet hydrology at a range of scales. We hope this session will facilitate the integration of knowledge from paleo and contemporary glacier settings, and to this end welcome papers relating to any aspect of glacier hydrology. This may include, but is not restricted to: i) meltwater routing over, through and beneath glaciers; ii) meltwater storage and outburst floods; iii) numerical modeling of the hydrological system; and iv) glaciofluvial geomorphology/sedimentology.

Session conveners:
Tracy Brennand, Simon Fraser University, Vancouver (tabrenna@sfu.ca)
Matthew J. Burke, Simon Fraser University, Vancouver (mjburke@sfu.ca)

SCIENTIFIC MEETING:
'DYNAMIC TOPOGRAPHY: A KEY SURFACE RECORD OF DEEP EARTH PROCESSES'

LONDON, UK
SEPTEMBER 1-2, 2011

The Royal Astronomical Society, Geological Society and the British
Geophysical Association are jointly supporting and hosting a special
scientific meeting on 1-2 September 2011 entitled; 'Dynamic topography:
a key surface record of deep Earth processes'. The meeting will be
hosted at the Geological Society's headquarters at Burlington House in
central London, UK.

http://www.geolsoc.org.uk/gsl/events/listings/dynamictop

Abstract submission deadline Friday 1st July 2011

Oral or poster contributions are invited from all scientists interested in all aspects of this topic including areas within the general themes outlined below;

Mantle processes: what are the key factors controlling the rates and geometry of mantle convection, new techniques and advances in seismology, resolving chemical and thermal components of seismic velocity anomalies and effective buoyancy, constraints on viscosity, density structure and rheology of the mantle. What has been achieved and what needs to be tackled next?

Dynamic uplift and subsidence: mechanisms of supporting surface topography, amplitudes and planform patterns of different mechanisms, rates of change, nature of viscous coupling between convecting mantle and lithosphere, effect of rheology of mantle and of the overlying lithosphere on topography.

Observing and measuring dynamic topography: evidence for dynamically supported topography, analysis of gravity and isostasy, geomorphology, river profiles and evolution, erosion histories, sedimentation patterns, basin subsidence etc.

Conceptual, theoretical and computational challenges for numerical modeling: what are the challenges to coupling whole Earth convection models to surface process models is this necessary and if so how to handle spatial resolutions required, can process models be scaled or do we need new ideas on how to construct large scale-high resolution models? What do current generation convection models and surface process models offer?

Case histories and experiments: Presentations on current work being carried out which addresses the problem of measuring, observing or modelling all processes relevant to understanding the phenomenon of dynamic topography (computational/inversion methods, seismology, landscape evolution, surface process models etc).

Conveners:
Roderick Brown, University of Glasgow
Patience Cowie, University of Bergen
Stewart Fishwick, University of Leicester
Gregory Houseman, University of Leeds
Michael Kendall, University of Bristol
Nicky White, University of Cambridge

Confirmed Keynote speakers:
Trond Torsvik, University of Oslo, Norway
Michael Gurnis, California Institute of Technology (Caltec), USA
Alessandro Forte, University of Quebec at Montreal (UQAM), Canada

Confirmed Invited speakers so far:
Carolina Lithogow-Bertelloni, University College London, UK
Jean Braun, Université Joseph Fourier, France
Evgene Burov, Institut des Sciences de la Terre de Paris, France
Tony Watts, University of Oxford, UK
Hans-Peter Bunge, Ludwig-Maximilians Universität, Munich, Germany
Reiner Rummel, Technische Universität, Munich, Germany
Nicky White, University of Cambridge, UK
Mike Sandiford, University of Melbourne, Australia

Rebecca Flowers, University of Colorado, USA

Registration:

If you would like to attend the conference, you can register online or
download a registration form at:

http://www.geolsoc.org.uk/dynamictop

Fellow £60.00
Non-Fellow £95.00
Student / retired £45.00
Member of Other Society £60.00

Registration fee includes: All delegate materials, conference refreshments, lunch on both days and a wine reception.

Abstract submission:

Abstract submission deadline Friday 1st July 2011
Submit to Georgina Worrall at:
georgina.worrall@geolsoc.org.uk

Please indicate whether you prefer an oral or poster presentation. We will endeavour to accommodate your preferred mode of delivery.

Abstract format: Microsoft Word file or simple text document.

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Some remarks on deep mantle convection and the evolution of the Earth

Authora1, A.N., Authorb2, B.N. and Authorc1, C.N

1 School of Earth Sciences, The University of Melbourne, Parkville, 3010, Australia

2 ANSTO, Physics Division, Lucas Heights, NSW, Australia

Body of abstract text, 12 point Times New Roman, circa 500 words.

Diagrams or figures can be included, but must be inserted into (i.e.placed within) the Word document.

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GEOMORPHOMETRY 2011
CONFERENCE + WORKSHOPS

REDLANDS, CALIFORNIA
SEPTEMBER 7-11, 2011

KEY DATES:

- If you wish to submit a presentation, please do so as soon as possible
- Final camera-ready digital manuscripts due: 1 May 2011
- Author registration & poster submission deadline: 15 May 2011
- Early registration deadline: 15 May 2011

3 DAYS OF ORAL AND POSTER PRESENTATIONS in a single track. PROGRAM CHAIRS: John P. Wilson, University of Southern California; Michael Gould, ESRI; Ian S. Evans, Durham University and Tomislav Hengl, Wageningen University and Research.
A selection of papers will be invited for publication in a special issue of the Transactions in GIS.
KEYNOTE SPEAKERS include H Mitasova, J Gallant, Q Zhou, T Oguchi & A-Xing Zhu

AIMS AND SCOPE The Geomorphometry 2011 conference will continue a series initiated by the Terrain Analysis and Digital Terrain Modelling conference hosted by Nanjing Normal University in November 2006 and University of Zurich in 2009.
The aim of Geomorphometry 2011 is to bring together researchers to present and discuss recent developments in the field of quantitative modelling and analysis of elevation data. Geomorphometry is the science of quantitative land-surface analysis and description at diverse spatial scales. It draws upon mathematical, statistical and image-processing techniques and interfaces with many disciplines including hydrology, geology, planetary geomorphology, computational geometry, geomorphology, remote sensing, geographic information science and geography. The conference aims to attract leading researchers in geomorphometry presenting methodological advances in the field and to provide young researchers with an opportunity to present new results.
Redlands is in San Bernardino County and at the eastern end of the S. Californian metropolis, some 100 km east of Los Angeles. It is between 'The Badlands' and the San Bernardino Mountains, beyond which is the Mohave Desert.

2 days of WORKSHOPS: Geomorphometry will host **a number of workshops**, each with ca. 15-30 attendees after the conference (weekend).

- (Reuter Hannes) ArcGIS Geomorphomerty Toolbox
- (Steve Kopp) Designing, Building, and Sharing ArcGIS Geoprocessing Tools
- (Lucian Dragut & Clemens Eiseink) Discrete analysis of the land-surface: Burning issues and upcoming topics in linking geomorphometry with OBIA
- (Phillip Verhagen, Lucian Dragut & Frederick W. Limp) Geomorphometric approaches in archeology
- (Tomislav Hengl & Carlos Grohmann) Automated analysis and visualization of elevation data using open source tools R+OSGeo

CONFERENCE REGISTRATION FEES PhD students: $200.00 USD; Everybody else: $375.00 USD.
Registration fees for the workshops will be in the range $100-150 USD.

TO SUBMIT A PRESENTATION (2 to 4 page extended abstract):

- See ***Author guidelines*** on the web site **http://geomorphometry.org/2011**

1. Download a template document.
2. Prepare a paper following the preparation guidelines (see an example).
3. Print a PDF version of your paper (embed all fonts and limit the compression to 300 DPI).
4. Register at the **EasyChair** system.
5. Login and submit a PDF of your article.

ESRI Campus Redlands, California, USA
http://geomorphometry.org/2011
e-mail: 2011@geomorphometry.org

INTERNATIONAL CONFERENCE - ADAPTING TO COASTAL CHANGE: LOCAL PERSPECTIVES

THE HAGUE, THE NETHERLANDS
SEPTEMBER 13 –14, 2011

The meeting aims to address the issues of adapting to coastal change with a focus on local level challenges and approaches and is aimed at both practitioners and researchers. The conference will be global in its geographical scope and will include a number of keynote speakers (names to be confirmed in second circular) with an international profile in coastal change adaptation.
The conference will be organised under the following themes:

1. Shoreline management (adapting to shoreline change)
2. Institutional and governance issues
3. Developing adaptation strategies at the local level (methods and scenarios)
4. Spatial planning as a tool for adaptation
5. Nature conservation
6. Local government experiences

Each theme will be addressed in a plenary session by a small number of speakers followed by a plenary discussion. Poster presentations will be centred around each of the themes.
Further details and registration at:
http://imcore.eu/TheHagueConference2011/

BINGHAMTON GEOMORPHOLOGY SYMPOSIA

OCTOBER 2011-2013

2011 - **Zoogeomorphology and Ecosystem Engineering**
October 21-23 - University of South Alabama - Mobile, AL
Hosted By: Dr. David Butler, Geography, Texas State University-San Marcos, and Dr. Carol Sawyer, Earth Sciences, University of South Alabama.
For further information, contact David Butler at db25@txstate.edu

2012 - **Isotopes in Geomorphology**
October, to be determined- Binghamton University, Binghamton, NY
Hosted By: Dr. Paul Bierman, Geology and Natural Resources, University of Vermont; Dr. Arjun Heimsath, Earth Exploration, Arizona State University; Dr. Peter Knuepfer, Geology, Binghamton University (SUNY); and Dr. Kyle Nichols, Geology, Skidmore College.
For further information, contact Pete Knuepfer at knuepfr@binghamton.edu

2013 - **Coastal Geomorphology and Restoration**
October 18-20 - New Jersey Institute of Technology, Newark, NJ
Hosted By: Dr. Karl Nordstrom, Institute of Marine and Coastal Science, Rutgers University; Russell Feagin, Department of Ecosystem Science and Management, Texas A&M University; Dr. William Smith Department of Biology, Wake Forest University; Dr. Nancy Jackson, Department of Chemistry and Environmental Science, New Jersey Institute of Technology.

MINERVA GENTNER SYMPOSIUM ON AEOLIAN PROCESSES

EILAT, ISRAEL
OCTOBER 2011

We are glad to invite you to register for the Minerva Gentner Symposium on Aeolian Processes. The symposium will be held at the BGU campus in Eilat on this coming October.

The Minerva Gentner Symposium on Aeolian Processes will be a platform for scientists in all fields (geology, geomorphology, physics and ecology) to share information on the work of the wind on the environment (sand and dust; sand dunes and loess deposits). This multi-disciplinal conference is an opportunity to meet and learn from leading scientists and hear about the latest developments in aeolian processes.

More details in this link:

http://cmsprod.bgu.ac.il/Eng/humsos/departments/geog/AProc/default.htm

We look forward to seeing you in Eilat in October.

Haim Tsoar

6th AUSTRALIAN STREAM MANAGEMENT CONFERENCE
'MANAGING FOR EXTREMES'

CANBERRA, ACT
FEBRUARY 6-8, 2012

The River Basin Management Society, in association with the Catchments Australia Foundation, will be hosting the 6th Australian Stream Management Conference (6ASM) in Canberra over 3 days from the 6th to 8th February 2012.

Over the past 10 years most of Australia has experienced either severe drought or devastating floods. Much of Australia has experienced both. Is this a sign of the future? 6ASM will explore the theme of 'managing for extremes'. Does successful management of stream systems lie in managing for the extremes? What are these extremes, and how do we predict and plan for them? What are the implications for ecological communities and monitoring and evaluation programs? How do we engage with communities and elected leaders to discuss these issues?

Information on the event, and calls for abstracts, will be made in April 2011. In the meantime block out the dates in your diary.

OTHER ANNOUNCEMENTS

From Professor Paul A. Carling at the School of Geography, Highfield, University of Southampton

Encyclopaedia of Fluvial Systems

I am preparing an outline for an Encyclopaedia that is cutting-edge with the above title. I wish to solicit (i) suggestions as to topics that should be included; (ii) offers to contribute articles; (iii) offers to assist on an editorial board. The gestation period is up to 3 years and so the workload need not be onerous. As the series is within the Springer Earth Science series the focus will be primarily geomorphological, sedimentological, hydraulic and hydrological with a consideration of vegetative influences as appropriate. The impact of humankind might also be a focus.

Please reply to Prof Paul A Carling:
P.A.Carling@soton.ac.uk

Further particulars:

An example of an encyclopaedia in the series can be viewed at the Springer website:

http://www.springer.com/earth+sciences+and+geography/meteorology+%26+climatology/book/978-1-4020-4411-3?changeHeader

Encyclopaedia volume structure:

The original concept of the Earth Science volumes was that each should synthesize one particular sub-discipline. It should NOT be a textbook, but alphabetic: designed for quick access, the articles should contain digested modern knowledge is an easy accessible format. They contain neither research literature (primary literature) nor review articles summarizing original papers (secondary literature). Contents therefore should consist of established information in the particular field. I aim to have a similar structure and size for the proposed volume as with existing volumes in the series. Each volume is intended as an authoritative volume that can stand on its own. The volumes are used by university students, post-graduate researchers and by scientists from bordering disciplines familiarizing themselves with the key terms in a particular field.

The volume will contains 3 types of articles:

Category A: major discipline subjects, about 5000-9000 words
Category B: intermediate summaries of important topics, about 500-3000 words
Category C: definitions, 50-500 words

The structure for the contributions (category A and B only) is as follows:

* Title (to be a short as possible, preferably 1-2-3 words)
* Synonyms (if applicable)
* Definition
* Summary or conclusions
* Bibliography
* Cross-references

On average the volume will be a mix of mostly B (building block articles) and a few A type articles. There can also be quite a few C type articles. In total there are in general around 250 entries.

Editorial board:

An editorial board of 5-6 members will be established, whose task it is to help the editor in making the table of contents complete and help to suggest names of authors for the entries and in securing authors. Later in the process editorial board members could be asked to assist in reviewing some scripts or help to find suitable reviewers. The board members could also serve as section editors and assist in the review process (this is one of the options).

From National Center for Earth-surface Dynamics

NCED encourages applications for our 2011 Summer Institute in Surface Dynamics.

The 2011 SIESD will focus on the biophysical status and predictive evolution of deltas. We will investigate coupled models of erosion and deposition, responses to up- and downstream anthropogenic perturbation and the science-based restoration of delicate ecosystems. Hands-on learning opportunities will include the exploration of physical experiments and theoretical models as well as an intensive unit on the use of modeling tools available through CSDMS, the

Community Surface Dynamics Modeling System. The Institute also exposes students to broader-impacts research via the Science Museum of Minnesota and other NCED educational and diversity activities. The Summer Institute is a stimulating environment for learning, bonding, mentoring and life-long academic partnerships.

For application and full information, please visit: http://www.nced.umn.edu/content/summer-institute-earth-surface-dynamics.

OTHER NEWS FROM MEMBERS

From the Oregon Institute of Technology

GSG Member Michael Hughes has been selected as the Director of Environmental Sciences at the Oregon Institute of Technology (OIT, Oregon Tech). He begins this post in September 2011. OIT is Oregon's technical university, enrolling approximately 4,000 students. Its Environmental Sciences Program offers a B.S. in Environmental Sciences and a dual B.S. in Civil Engineering / Environmental Sciences. Three program tracks are available: watershed science, GIS, and sustainable technology. Michael received a Ph.D. in Environmental Science, Studies, and Policy (ESSP) from the University of Oregon in 2008 and has since worked as a fluvial geomorphologist at the Klamath Tribes Research Station in Chiloquin, Oregon.

From Kansas State University

Geomorphology at Kansas State University
Chuck Martin, Melinda Daniels, and Dick Marston lead the geomorphology program at Kansas State University. Bart Grudinski, Katie Costigan, Will Butler, and Brandon Weihs are among current graduate students in the program.

Recent Publications (*by K-State students)

Burchsted, D., **Daniels, M.D.**, Thorson, R.M., and Vokoun, J.C. 2010. The river discontinuum: beavers (*castor canadensis*) and baseline conditions for restoration of forested headwaters. *Bioscience* 60(11): 908-922.

Butler, William D.*, and Butler, D.R.. 2010. Repeat Photography Documents Short-Term Landscape Changes in Geothermal Features in Yellowstone National Park, Wyoming. Papers of the Applied Geography Conferences (2010) 33: 165-172.

Daniels, M.D. and McCusker, M.H. 2010. Operator bias characterizing stream substrates using Wolman pebble counts with a standard measurement template, *Geomorphology,* 115: 194–198.

Daniels, M.D., Burchsted, D., MacBroom, J., Wildman, L. Harold, S., Carabetta, M., Woodworth, P. and Boardman, G. 2010. Redefining the Dam Removal Paradigm in Formerly Glaciated Forested Headwater Systems, *Proceedings of the EWRI/ASCE Congress, 2010*

Burchsted, D. **Daniels, M.D**. and Thorson, R.M. 2010. Restoring the River Discontinuum: Looking at the Example of Beaver Dams, *Proceedings of the EWRI/ASCE Congress, 2010*

Kang, R.S., Storm, D.A. and **Marston, R.A.** 2010. Downstream Effects of Urbanization on Stillwater Creek, Oklahoma. *Physical Geography* 31(2): 186-201.

Luo,W. **Grudzinski, B.*** and Pederson, D. 2011. Estimating hydraulic conductivity for the Martial subsurface based on drainage patterns: a case study in the Mare Tyrrhenum Quadrangle. *Geomorphology* 125(3): 414-420.

Gumrukcuoglu, M, Goodin, D.G., **Martin, C.W.** 2010. Landuse change in upper Kansas river floodplain: following the 1993 flood. *Natural Hazards* 55: 467-479.

Marston, R.A. 2010. Geomorphology and vegetation on hillslopes: interactions, dependencies, and feedback loops. *Geomorphology* 116(3-4), 206-217.

John F. Shroder, Jr. and **Brandon J. Weihs*.** 2010. Geomorphology of the Lake Shewa landslide dam, Badakhshan, Afghanistan, using remote sensing data. *Geografiska Annaler* 92A: 469-483.

Splinter, D.S., Dauwalter, D., **Marston, R.A.,** Fisher, W.L. 2011. Watershed morphology of highland and mountain ecoregions in eastern Oklahoma. *The Professional Geographer* 63(1): 1-13.

Splinter, D.K., Dauwalter, D.C., **Marston, R.A.,** Fisher, W.L. 2010. Ecoregions and Stream Morphology in Eastern Oklahoma. *Geomorphology* 122(1-2): 117-128.

Weihs, B.J.* and Shroder, J.F., Jr. 2010. "Geomorphology of the Lake Shewa landslide dam, Badakhshan, Afghanistan, using remote sensing data, *Geografiska Annaler* 92A(4): 471-486.

New Grants and Contracts

Melinda D. Daniels, *Assessing the Impact of Channel and Riparian Zone Modifications on Aquatic Biodiversity in the Kansas River Basin*, Kingsbury Family Foundation, 12/25/2011 to 12/25/2012, $24,951.

Melinda Daniels (PI), USFS Rocky Mountain Research Station, *Impacts of Large-Scale Forest Loss on Stream Channel Form, Process and Sedimentation*, August 2010-August 2011, $36,667.

Melinda Daniels (PI), Wildcat Creek Watershed Assessment, US Department of Agriculture/Blue Earth, LLC, $7,400.

Melinda Daniels (PI), American Rivers Patapsco River Restoration Project, McCormick Taylor, INC, 12/18/2010-12/18/2012, $11,299.

Melinda Daniels (PI), KSU ORSP Faculty Development Award for travel to the 12th International Symposium on the Interactions between Sediments and Water, UK, (June, 2011) $1,200.

Keith B. Gido, Joshuah S. Perkin, **Melinda D. Daniels** And **Katie H. Costigan***, *Reproductive Life History Of Great Plains Pelagic-Spawning Fishes In The Ninnescah River, Kansas*, FY 2011 State Wildlife Subgrant Program, 5/1/2011 to 4/30/2013, $192,675.

Richard Marston (PI), ***Brandon Weihs**, **Will Butler*,** University of Wyoming-National Park Service Research Station, *Cross-Valley Profiles and Mass Movement Hazards in Deglaciated Canyons, Grand Teton National Park,* $5000

Chuck Martin received an Alexander von Humboldt Foundation Research Fellowship (Bonn, Germany), 1 June - 31 August 2010; 7300 Euros (roughly $9500.00). He spent Summer 2010 in residence at the Geography Department, University of Giessen, Giessen, Germany.

Other News

Melinda Daniels received widespread media coverage of her *Bioscience* research paper, including the CBC, MSNBC, USA Today and Discovery News

Richard Marston has completed his 12th year (1999-2010) as Co-Editor-in-Chief of the Elsevier journal, *Geomorphology*. He has edited 1,056 manuscripts.

From Texas State University

Geomorphology at Texas State University-San Marcos

Courses in Geomorphology are taught by several geomorphologists at Texas State, including Dave Butler, Rich Earl, Mark Fonstad, and Jim Petersen. Several doctoral and master's students are pursuing their graduate degrees in geomorphology, including Jane Atha, Mindy Conyers, James Dietrich, Jacob Maas, Melanie Stine, Stephen Tsikalas, Marty Wamsley, Clayton Whitesides, and David Yelacic at the doctoral level; and Brittany Courville at the master's level.

Recent Publications:

- Butler, William D., and **David R. Butler**, 2010. Repeat photography documents short-term landscape changes in geothermal features in Yellowstone National Park, Wyoming. *Papers of the Applied Geography Conference* 33 (Ft. Worth, TX), 165-172.

- Sawyer, Carol F., **David R. Butler**, and Mary Curtis, 2010. Using Webcams to show change and movement in the physical environment. *Journal of Geography* 109(6), 251-263.

- **Stine, Melanie B**., and **David R. Butler**, 2011. A content analysis of biogeomorphology within geomorphology textbooks. *Geomorphology* 125(2), 336-342.

- **Whitesides, Clayton J.**, and **David R. Butler**, 2011. Adequacies and deficiencies of alpine and subalpine treeline studies in the national parks of the western USA. *Progress in Physical Geography* 35(1), 19-42.

- Marcus, W. Andrew, and **Mark Fonstad**, eds. 2010. *Remote Sensing of Rivers*. A special edited volume of the journal *Earth Surface Processes and Landforms*. Chichester, United Kingdom: John Wiley & Sons.

- Marcus, W. Andrew, and **Mark Fonstad**. 2010. Remote sensing of rivers: the emergence of a subdiscipline in the river sciences. *Earth Surface Processes and Landforms* 35(15), 1867-1872.

- **Fonstad, Mark** and W. Andrew Marcus. 2010. High-resolution, basin-extent observations of fluvial forms and implications for process understanding. *Earth Surface Processes and Landforms* 35(6), 680-698.

- Lamb, Michael and **Mark Fonstad**. 2010. Rapid formation of a modern bedrock canyon: implications for megaflood reconstructions. *Nature Geosciences* 3(7), 477-481.

- Marcus, W. Andrew, James Rasmussen, and **Mark Fonstad**, 2011. Fire and flood effects on local to watershed scale distributions of large wood in Yellowstone streams. *Annals of the Association of American Geographers* 10(1), 21-44.

Recently Completed Graduate Theses and Dissertations:

- **C. Andrew Day**, 2011. Doctoral Dissertation, "Projecting future local hydroclimatology: A framework for local water resource planners in the Animas River Basin at Durango, Colorado."

- **Jon J. Kedrowski**, 2010. Doctoral Dissertation, "Climber Experience and Environmental Interactions on Mount Rainier, WA, USA."

- **Shelley D. Miller**, 2010. M.S. Thesis, "Comparative Study of the Spatial Organization and Zoogeomorphic Effects of Black-tailed Prairie Dogs."

• **Kaitlin Murphy**, 2010. M.S. Thesis, "Signature Hydrological and Meteorological Conditions Leading to Ice Jam Formation and Breakup on the Flathead River, Glacier National Park, Montana."

• **David Yelacic**, 2010. M.S. Thesis, "Proyecto Arqueologico y Paleontologico Chivacabe: A Geomorphic and Geoarchaeological Investigation of Late Quaternary Environments in Northwestern Highland Guatemala."

• **Sophia Hurtado**, 2009. M.A.G. Directed Research Project, "Exploring the Relationship between Mercury Deposition, Ambient Mercury in Surface Water, and Land Cover."

Other News

Dave Butler was named a Texas State University System Regents' Professor in November, 2010. An awards ceremony was held at the Texas State University System Board of Regents' Meeting in Austin in February, 2011.

Dave Butler and **Mark Fonstad** were each chosen to receive the Alpha Chi National Honor Society *Favorite Professor Award* in Fall, 2010.

Dave Butler spent the Fall 2010 semester on Developmental Leave. During September and October he and his wife Janet spent 7 weeks in France, Scotland, and Switzerland. Dave presented a paper, "The Effects of Climate Change on the Zoogeomorphic Effects and Zoogeographic Distribution of Animals in the Alpine", at the Global Change and the World's Mountains international conference in Perth, Scotland, at the end of September. In October he spent two weeks collaborating with Dr. Markus Stoffel, Dr. Michelle Bollschweiler, and the doctoral students of the Laboratory of Dendrogeomorphology (the Dendrolab.ch) at the University of Bern. While there he also gave a presentation to the Dendrolab Seminar on "Dendrogeomorphology in the Rocky Mountains of the U.S.A."

Dave Butler and Carol Sawyer, Department of Earth Sciences, University of South Alabama, are co-organizing the 2011 Binghamton Geomorphology Symposium, to be held in Mobile, Alabama over the period October 21-23, 2011. The theme of the symposium is Zoogeomorphology and Ecosystem Engineering. More details on the 2011 symposium, including information calling for student participation as poster presenters, is available at the conference website, http://www.southalabama.edu/geography/sawyer/2011Bing.htm.

Mark Fonstad was the keynote speaker for the 2010 NSF IGERT conference *Representing Reality: A Conference on Imagery in the Cognitive, Social, and Natural Sciences*. The conference was held in Buffalo, NY in May 2010.

Mark Fonstad and Michael Lamb's research on the formation of Canyon Lake Gorge was featured in the *Austin American-Statesman* as well as several online publications including *Nature*.

Doctoral Student **Jane Atha** received an NSF DDRI grant to fund her dissertation research "Fluvial wood presence and dynamics over a thirty year interval in forested watersheds."

Doctoral Student **Melanie Stine** received the Honorable Mention Award in the 2010 Chimborazo Student Research Grant Award competition of the Mountain Geography Specialty Group, Association of American Geographers.

SCHEDULE OF GEOMORPHOLOGY SPECIALTY GROUP SPONSERED SESSIONS AT THE 2011 AAG ANNUAL MEETING

Tuesday, 4/12/2011

1464 Environmental Change and Human Adaptation on the Tibetan Plateau - I: Paleo Glaciations
12:40 PM - 2:20 PM

1404 Human Impacts on Watershed Processes I - Hydrological Processes & Modeling
12:40 PM - 2:20 PM

1564 Environmental Change and Human Adaptation on the Tibetan Plateau - II: Environmental Change and Landform Evolution
2:40 PM - 4:20 PM

1504 Human Impacts on Watershed Processes II - Fluvial Geomorphic Processes
2:40 PM - 4:20 PM

1604 Human Impacts on Watershed Processes III - Ecological Processes & Watershed Modeling
4:40 PM - 6:20 PM

1614 Morphological measurement using close range photogrammetry and laser scanning (ISPRS V6)
4:40 PM - 6:20 PM

Wednesday, 4/13/2011

2435 Tribal Rivers as Confluences of Environmental and Cultural Restoration
12:40 PM - 2:20 PM

2445 Tribute to Robin Davidson-Arnott I: Aeolian Transport
12:40 PM - 2:20 PM

2545 Tribute to Robin Davidson-Arnott II: Coastal Dunes
2:40 PM - 4:20 PM

2645 Tribute to Robin Davidson-Arnott III: Aeolian Transport and Coastal Dunes
4:40 PM - 6:20 PM

Thursday, 4/14/2011

3176 SPACE-TIME PATTERNS OF SEDIMENT TRANSPORT FROM HIGH-RESOLUTION DATA ANALYSIS
8:00 AM - 9:40 AM

3445 Tribute to Robin Davidson-Arnott IV: Coastal Systems
12:40 PM - 2:20 PM

3545 Tribute to Robin Davidson-Arnott V: Beaches and Dunes
2:40 PM - 4:20 PM

3645 Tribute to Robin Davidson-Arnott VI: Coastal Habitat and Marshes
4:40 PM - 6:20 PM

3647 River Observations, Monitoring, and Management
4:40 PM - 6:20 PM

Friday, 4/15/2011

4104 River Forms and Processes
8:00 AM - 9:40 AM

4144 Frontiers in Weathering Geomorphology I
8:00 AM - 9:40 AM

4204 River hydro-morphodynamics: Advances in technology toward a better process understanding
10:00 AM - 11:40 AM

4244 Frontiers in Weathering Geomorphology II
10:00 AM - 11:40 AM

4408 Taylor-Francis/Routledge Distinguished Lecture on Geomorphology and Society
12:40 PM - 2:20 PM

4428 Sedimentary Perspectives on Paleoenvironmental Change I
12:40 PM - 2:20 PM

4528 Sedimentary Perspectives on Paleoenvironmental Change II
2:40 PM - 4:20 PM

4628 Sedimentary Perspectives on Paleoenvironmental Change III
4:40 PM - 6:20 PM

Saturday, 4/16/2011

5127 Reconstructions of Paleoenvironments and Past Human- Environment Interactions I: Mesoamerica and Beyond
8:00 AM - 9:40 AM

5227 Reconstructions of Paleoenvironments and Past Human- Environment Interactions II: Eastern North America
10:00 AM - 11:40 AM

5326 PiPG Classics Revisited: Climate Change and Its Consequences
12:00 PM - 1:40 PM

5327 Reconstructions of Paleoenvironments and Past Human- Environment Interactions III: Western North America
12:00 PM - 1:40 PM

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Earth Surface Processes and Landforms

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Ten recent innovative, unconventional, or otherwise significant papers that advance research on linkages between landslides, hillslope erosion, and landscape evolution.

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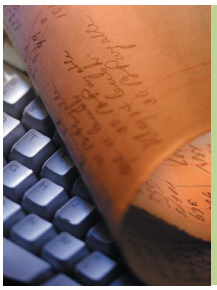

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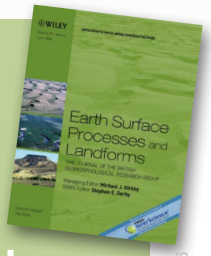

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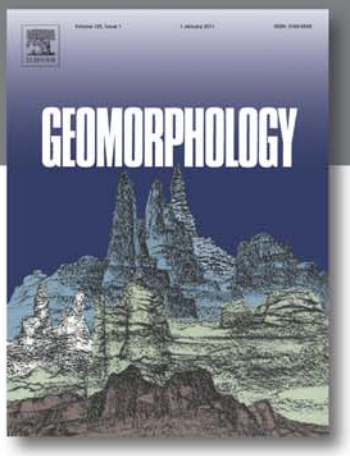

Geomorphology

Geomorphology publishes peer-reviewed works across the full spectrum of the discipline from fundamental theory and science to applied research of relevance to sustainable management of the environment. Our journal's scope includes geomorphic themes of: tectonics and regional structure; glacial processes and landforms; fluvial sequences, Quaternary environmental change and dating; fluvial processes and landforms; mass movement, slopes and periglacial processes; hillslopes and soil erosion; weathering, karst and soils; aeolian processes and landforms, coastal dunes and arid environments; coastal and marine processes, estuaries and lakes; modelling, theoretical and quantitative geomorphology; DEM, GIS and remote sensing methods and applications; hazards, applied and planetary geomorphology; and volcanics.

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Geomorphorum is issued twice a year by the Geomorphology Specialty Group of the Association of American Geographers. The purpose of this newsletter is to exchange ideas and news about geomorphology, and to foster improved communication within our community of scholars. The editor of *Geomorphorum* welcomes news, comments, and suggestions from all members of the geomorphological community. Issues of *Geomorphorum* are posted on the website of the GSG; new issues are announced through the Geomorphlist listing service currently maintained by Chris Houser at Texas A&M University