

# Program Schedule

## The Human Role in Changing Fluvial Systems

### 37<sup>th</sup> Binghamton Geomorphology Symposium

Co-Organizers: L. Allan James<sup>a</sup> and W. Andrew Marcus<sup>b</sup>

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#### Friday, October 20

- 11:30 – 12:30 Registration, Callcott Building main floor lobby
- 12:30 – 5:00 River-walk field trip, led by **Will Graf** & students; depart Callcott Bldg. south entrance
- 6:30 – 7:30 Registration, *Top of Carolina*, revolving restaurant in the Capstone Building
- 7:00 – 10:00 Light Reception and Welcoming, *Top of Carolina*

#### Saturday, October 21

- 7:00 – 8:30 Continental breakfast, Callcott Building, lower level lounge
- 7:00 – 9:00 Registration and proceedings volume sales - Callcott Building main floor lobby  
Poster Session I setup; Rooms 003 and 004.

#### Overviews of Human Impact Research in Rivers: Past Work and Future Directions:

- 8:30 – 9:00 Welcoming remarks and Introductory – **Dr. Timothy A. Mousseau**, Associate Dean for Research and Graduate Education  
*Reflections on the changing geomorphic landscape* – **M. Gordon “Reds” Wolman**
- 9:00 – 9:30 *The human role in changing fluvial systems: Retrospect, inventory and prospect* – **Allan James** and **Andrew Marcus**; presented by Marcus
- 9:30 – 10:00 *The human role in changing river channels* - **Ken Gregory**
- 10:00 – 10:45 **Coffee Break & Poster Session I:** *Human activities in river channels: Bank structures, dams, flow regime changes, fluvial responses and documentation methods*

#### *Scales and Locales of Impact:*

- 10:45 – 11:15 *Human impact on land-ocean sediment transfer by the world’s rivers* - **Des Walling**
- 11:15 – 11:45 *Human impacts to mountain streams* - **Ellen Wohl**
- 11:45 – 12:15 *Human impacts on headwater fluvial systems in the northern and central Andes* - **Carol Harden**
- 12:15 – 1:30 **Lunch Break**  
Binghamton Steering Committee business lunch
- 1:00 – 2:00 Registration, Callcott Building main floor lobby
- 1:30 – 2:00 **Poster Session I** (continued)

#### *Scales and Locales of Impact (continued):*

- 2:00 – 2:30 *Hydrologic variation with land use across the contiguous United States: geomorphic and ecological consequences for stream ecosystems* - **LeRoy Poff, Brian Bledsoe, Chris Cuhaciyan**
- 2:30 – 3:00 *Floodplain sedimentation in the Upper Mississippi Valley: Natural versus human accelerated* - **Jim Knox**
- 3:00 – 3:30 *Human impacts on fluvial systems in the Mediterranean Region* - **Janet Hooke**

3:30 – 4:00 **Coffee Break;** Poster Session II setup

***Processes of Change:***

- 4:00 – 4:30 *Downstream hydrologic and geomorphic effects of large dams on American rivers -*  
**Will Graf**
- 4:30 – 5:00 *Disturbance, stream incision, and channel evolution: The roles of excess transport  
capacity and boundary materials in controlling channel response -* **Andrew Simon**  
and **Massimo Rinaldi**
- 5:00 – 5:30 Open Discussion
- 5:30 – 6:45 **Wine and Cheese Reception; Poster Session II:** *Indirect impacts of humans: Land  
use, land cover change, resource extraction and fluvial response*
- 7:00 – 10:00 **Symposium Banquet**  
7:45 Keynote presentation: *Global warming and fluvial geomorphology -* **Andrew Goudie**

**Sunday, October 22**

- 7:00 – 8:00 **Continental breakfast** - Callcott Building, lower level  
7:00 – 9:00 Registration, Callcott Building main floor lobby

***Processes of Change (continued):***

- 8:00 – 8:30 *Confronting hysteresis: Wood based river rehabilitation in highly altered riverine  
landscapes of south-eastern Australia -* **Andrew Brooks, Timothy Howell, Tim  
Abbe, Angela Arthington**
- 8:30 – 9:00 *A geomorphological approach to the management of rivers contaminated by metal  
mining -* **Mark Macklin, P. A. Brewer, K. A. Hudson-Edwards, G. Bird, T. J.  
Coulthard, I. A. Dennis, P. J. Lechler, J. R. Miller, J. N. Turner**
- 9:30 – 10:00 *Human-induced changes in animal populations and distributions, and the subsequent  
effects on fluvial systems -* **David Butler**
- 10:00 – 10:30 **Coffee Break**
- 10:30 - 11:00 *Urban transformation of river landscapes in a global context -* **Anne Chin**
- 11:00 – 11:30 *Geomorphic effects of rural-to-urban land use conversion on three streams in the  
Central Redbed Plains of Oklahoma -* **Ranbir Kang and Richard Marston**
- 11:30 – 12:00 *Grazing in riparian zones in the western U.S.: Impacts, management and scientific  
progress -* **Patricia McDowell**
- 12:00 – 12:30 Open Discussion
- 12:30 – 3:00 Vans to the airport