

EINLADUNG ZUM GASTVORTRAG

am **MITTWOCH, 28. JUNI 2017, 17 UHR c.t.**

INSTITUT FÜR GEOGRAPHIE UND REGIONALFORSCHUNG
Universität Wien • Universitätsstr. 7/5 • 1010 Wien

HÖRSAAL 5A

Prof. Dr.

Chris S. RENSCHLER

Department of Geography, University at Buffalo –
The State University of New York (SUNY),
Buffalo, NY, USA



INTEGRATED EXTREME EVENTS MANAGEMENT: Holistic Geomorphology and the PEOPLES Resilience Framework

In the past two decades interdisciplinary approaches in Natural Sciences, Geographic Information Science and Environmental Modeling attempted to integrate monitoring, modeling and managing complex interactions of Earth surface processes in coupled natural and human systems. The hazard and risk assessment of global change and extreme events on the structure and functionalities of physical and human systems illustrates that they are interconnected and interdependent. The terminology of “Holistic Geomorphology” and the PEOPLES Resilience Framework presented in this lecture enabled stakeholders around the world in achieving a truly integrated hazard and risk assessment. Examples of research projects in soil and water conservation, debris flows, forest fires, flooding and other extreme events illustrate the enhancement of stakeholders in their understanding and communication as well as the creation of successful collaborations and integrated assessment techniques among scientists, practitioners and decision-makers.

Chris Renschler is Assoc. Prof. of Geography and Director of the Landscape-based Environmental System Analysis & Modeling (LESAM) Lab at the University at Buffalo. His research interests are the development and implementation of integrated geospatial modeling tools for effective decision- and policy-making. He chaired the Geomorphology Specialty Group of the American Association of Geographers (AAG), was appointed by the Governor to serve on the RESPOND Commission after Superstorm Sandy and was invited expert by the UN FAO, IAEA, UNISDR, OECD, USAID and the World Bank.

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