Illustrated Paper Session:

1624 Advances and Challenges in Digital Elevation Models V

is scheduled on Tuesday, 4/8/2014, from 4:40 PM - 6:20 PM in Room 24, TCC, First Floor

Sponsorship(s):
Coastal and Marine Specialty Group
Geomorphology Specialty Group
Spatial Analysis and Modeling Specialty Group

Organizer(s):
Barry Eakins - University of Colorado
Jeffrey J. Danielson - United States Geological Survey

Chair(s):
John Brock - USGS

Abstract(s):

4:40 PM Introduction: John Brock - USGS

4:45 PM Author(s): *Amy C. Foxgrover - USGS Pacific Coastal and Marine Science Center, Santa Cruz, CA
Patrick L. Barnard - USGS Pacific Coastal and Marine Science Center, Santa Cruz, CA
Jeffrey J. Danielson - USGS Earth Resources Observation & Science (EROS) Center, Sioux Falls, SD
Dean Tyler - USGS Earth Resources Observation & Science (EROS) Center, Sioux Falls, SD
Andrea O'Neill - USGS Pacific Coastal and Marine Science Center, Santa Cruz, CA

Abstract Title: *Mapping Potential Impacts of Climate Change on the San Francisco Bay Area: Challenges and Lessons Learned*

4:53 PM Author(s): *Qimin Cheng - Huazhong University of Science & Technology
Tao Tang - Department of Geography and Planning, State University of New York
Zhenfeng Shao - Wuhan University
Liang Wu - China University of Geosciences

Abstract Title: *Three-dimensional Reconstruction of Underground Mining Area Based on Terrestrial Laser Scanner*

5:01 PM Author(s): *Ryan W Keeling - University of Michigan - Dearborn
Jacob Napieralski, Ph.D. - University of Michigan - Dearborn

Abstract Title: *The Investigation of a Centuries Change in Bathymetry of Henry Ford's Fair Lane Lake*

5:09 PM Author(s): *Zurui Ao - Capital Normal University
Zhanqiang Chang - Capital Normal University
Jing Zhang - Capital Normal University

Abstract Title: *Comprehensive Analysis for Accuracy of SRTM DEM*

Session Description: Digital elevation models (DEMs) are a fundamental base layer for many applications, such as hydrologic and storm surge modeling, tsunami and sea-level rise modeling, ecosystems management and habitat research, coastal and marine spatial planning, sediment-transport analysis, and hazard mitigation and community preparedness. We invite papers/illustrated papers on recent advances in DEMs, including new techniques for building or evaluating DEMs, and in challenges that DEMs pose to applications that require them. How can DEMs be improved to support better planning or research? What are the limitations of DEMs in how they are used? How does DEM uncertainty or inaccuracy impact results derived from their use? Special attention will be given to Sandy impacted coasts.

New Query