Announcing a Workshop in Integrated Studies in Geodynamics

Forcing and Measuring The Ups and Downs of Mountains

March 14th, 16th, 18th 2011, 16:00 – 18:30

University of Ljubljana, Faculty of Civil Engineering and Geodesy, Jamova 6

By: Professor John Weber, PhD, Grand Valley State University, Allendale, USA

Organized in the frame of Doctoral Program "Built Environment", University of Ljubljana

Topics To be Covered: Geodynamic processes in mountain belts. A) How to define/measure surface uplift. How to define/measure rock uplift. How to define/measure exhumation. GPS/InSAR Geodesy. Leveling. Thermochronology. Paleoaltimetry. B) What processes make mountains go up/down? Deformation: crustal shortening/thickening. Isostasy. DEM analysis. Dynamic topography. Delamination. C) Regional examples. Vertical extrusion tectonics. Horizontal escape tectonics. Tibet. Altiplano. Western USA. Alps.

Workshop Format: Prof. Weber will present foundational overview and summary lectures at beginning (14.03.2011) and end (18.03.2011) of the workshop. Individual and group readings and discussion of key peer-review papers (to be made available to workshop participants in advance) will comprise the bulk of the workshop. Please bring your laptops: PhD student attendees may be expected to prepare/present short PPTs summarizing key papers to stimulate discussion.

Who can attend? Primarily PhD students in Geology, Geodesy and Geophysics, but also professional geoscientists and geodesists,undergraduate and Master students in Geology, Geodesy and Geophysics, and students from related disciplines.

How to apply: To register, please send your name, institutional affiliation, and study program that you are enrolled in (if applicable) **by 08.03.2011** to: **workshop@geo.ntf.uni-lj.si**. Priority will be given to PhD students. Registered participants will receive confirmation and further instructions by 09.03.2011. Workshop attendance is free.