

International Conference
**On the Diversity of Research on Geophysical and
Environmental Sciences**

held in honor of Prof. Dr. Kolumban Hutter
on the occasion of his seventieth birthday

February 18, 2011
ETH Zurich main building HG D 7.1

- 0900-0915 Welcome
- 0915-0945 **R. Greve** (University of Hokkaido) and **H. Blatter** (ETH Zurich): *A short history of the thermomechanical theory and modeling of glaciers and ice sheets*
- 0945-1015 **J. Brown** (ETH Zurich): *Computational methods for several models of ice stream flow*

COFFEE BREAK

- 1045-1115 **F. Walter** (ETH Zurich): *Regional Calving Seismology: Understanding the Link Between Glacial Earthquakes and Iceberg Calving in Greenland*
- 1115-1145 **A. Humbert** (University of Hamburg): *Structural characteristics of a highly rifted ice shelf - examples from Fimbulisen, Antarctica*

LUNCH BREAK

- 1330-1400 **R. Katzenbach** (TU Darmstadt): *Mechanics and soil mechanics in theory and engineering practice*
- 1400-1430 **J. Faillettaz, D. Sornette and M. Funk** (ETH Zurich): *New insights into the breaking off process of hanging glaciers*
- 1430-1500 **A. Keller** (ETH Zurich): *Continuum damage mechanics: Constitutive theory and application to calving glaciers*

COFFEE BREAK

- 1530-1600 **Yih-Chin Tai** (National Cheng Kung University, Taiwan): *A depth-integrated description of catastrophic flows over complex topographic terrains – reconstruction of the Shiaolin landslide catastrophe, Taiwan 2009*
- 1600-1630 **D.A. Carozza and L. Mysak** (McGill University, Canada): *Box model studies of the Paleocene-Eocene thermal maximum*
- 1630-1700 **T. Stocker** (University of Berne): *How simple can models be – how complex do they need to be?*

CLOSURE