



PROGRAMME

(Rev. 5)

Wednesday, Oct 4, 2006

17:00

Registration, Poster Assembly and Ice Breaker

Thursday, Oct 5, 2006

07:30 – 08:15	Registration	
08:15 – 08:30	Welcome	B. Reichenbacher (Faculty of Geosciences) M. Vogel (Berchtesgaden National Park)
Session 1	Snow – Numerical Modelling (M. Sturm)	
08:30 – 09:00	G.E. Liston (Colorado State University, USA)	How can we link large-scale atmospheric and climate features with small-scale alpine snow processes?
09:00 – 09:20	B. Landl (Federal Institute for Snow and Avalanche Research, Switzerland)	Alpine3D, a model of alpine surface processes and its application to the radiation balance over snow in a forest gap
09:20 – 09:40	J. Asztalos (Vienna Technical University, Austria)	A distributed energy balance snowmelt model as a component of a flood forecasting system for the Inn river
09:40 – 10:00	J.G. Corripio (Federal Institute of Technology, Switzerland)	Comparison of modelled and measured ablation and runoff generation for different data set inputs
10:00 – 10:40	Coffee break with Poster Viewing	
10:40 – 11:00	L. Jiang (University of Peking, China)	The Estimation of Snow Water Equivalence using the Polarimetric Scanning Radiometer from the Cold Land Processes Experiments (CLPX02-03)
11:00 – 11:20	H. Holzmann (Vienna University of Natural Resources and Applied Life Sciences, Austria)	Comparison of index based snowmelt models for different temporal and spatial scales
11:20 – 11:40	P. Krause (University of Jena, Germany)	Co-Comparative analysis of different snow process algorithms and concepts found in various conceptual hydrological models
11:40 – 12:00	D.P. Boyle (Desert Research Institute, USA)	An investigation of the impacts of different snow process algorithms in terms of catchment streamflow simulation
12:00 – 13:00	Lunch break with Poster Viewing	
Session 2	Snow – Measurements and Monitoring (R. Essery & L.S. Kuchment)	
13:00 – 13:20	J. Pomeroy (University of Saskatchewan, Canada)	Radiation and turbulent transfer to snow: new theoretical considerations and comparisons with observations in Canada and Bolivia
13:20 – 13:40	M. Weber (Bavarian Academy of Sciences, Germany)	Turbulent fluxes over melting surfaces
13:40 – 14:00	B. Pinzer (Swiss Federal Institute for Snow and Avalanche Research, Switzerland)	Specific Surface Area and physical properties – perspectives and limitations
14:00 – 14:20	T. Jonas (Swiss Federal Institute for Snow and Avalanche Research, Switzerland)	Measuring air temperatures over snow: the relevance of probe ventilation for the performance of snow hydrological models
14:20 – 14:40	N. Rutter (Centre for Glaciology, UK)	Influence of seasonal snowpacks on near-surface ice temperature profiles in a temperate Alpine glacier
14:40 – 16:00	Coffee break with Poster Viewing	
16:00 – 16:20	M. Sturm (U.S. Army Cold Regions Research and Engineering Laboratory, USA)	Repeated Snow Distribution Patterns - Are We Ignoring a Useful Aspect of Snow?
16:20 – 16:40	C. Marty (Swiss Federal Institute for Snow and Avalanche Research, Switzerland)	Long-term Variability and Trends of Snow Cover in the Swiss Alps
16:40 – 17:00	A. Nolin (University of Bonn, Germany)	Mapping the extent of temperature sensitive snow in the western United States
17:00 – 17:20	S. Schmidt (University of Bonn, Germany)	The Dilemma of Resolution and Seasonality of Snow Cover in Alpine Environments
17:20	Poster Viewing	
19:30	Dinner (Hofbräuhaus)	

Friday, Oct 6, 2006

Session 3	Snow – Remote Sensing (W. Mauser)	
08:00 – 08:20	H. Rott (ENVEO IT, Austria)	CoreH2O - A dual-frequency SAR mission for snow and ice
08:20 – 08:40	Shi, J. (University of California, USA)	Estimating SWE with Dual-frequency Radar
08:40 – 09:00	J. Haarpaintner (NORUT IT, Norway)	On the parameterization of the snow detection algorithm from multi-temporal synthetic aperture radar – A case study
09:00 – 09:20	J. Haarpaintner (NORUT IT, Norway)	Nordic large-scale medium resolution multisensor snow cover area monitoring
09:20 – 09:40	T. Nagler (ENVEO IT, Austria)	Snowmelt runoff forecasting using satellite data
09:40 – 10:00	J.-P. Dedieu (University of Savoie, France)	Retrieval of snow covered areas at the sub-pixel size and surface snow grain size in alpine regions from Spot-Vegetation data
10:00 – 10:20	H. Bach (VISTA, Germany)	Provision of snow information from satellite data within PolarView and application example for the a mesoscale Alpine catchment using PROMET
10:20 – 11:00	Coffee break with Poster Viewing	
Session 4	Snow – Transport and Avalanches (U. Strasser)	
11:00 – 11:20	S. Schneiderbauer (dTech, Austria)	CFD Simulation of Snow Drift in Alpine Environments for Operational Avalanche Warning
11:20 – 11:40	M. Bernhardt (University of Munich, Germany)	Modelling snow transport processes in a high alpine area (Berchtesgaden National Park, Germany) using SnowTran3D
11:40 – 12:00	J. Ellehauge (Svalbard University Center, Norway)	Project OSS – ‘Observing Snow Avalanches at Svalbard’: Establishing long term monitoring of snow avalanches in a High Arctic wilderness at Central Spitsbergen, Svalbard
12:00 – 13:20	Lunch break with Poster Viewing	
Session 5	Snow – Vegetation and Climate (J. Pomeroy)	
13:20 – 13:40	C. Garcia (Meteorological Service of Catalunya, Spain)	Weather and snowpack conditions of major avalanches in the Catalan Pyrenees
13:40 – 14:00	R. Bojariu (National Meteorological Administration, Romania)	Snow variability and change in Romania
14:00 – 14:20	L. Merindol (Center of Snow Studies, France)	Comparisons between several sets of modelled and analysed meteorological fields over French Alps. Impact of different spatial resolution
14:20 – 14:40	L.S. Kuchment (Academy of Sciences, Russia)	Physically based models of snow processes in a forest and their application in distributed modeling of snowmelt runoff generation
14:40 – 15:00	R. Essery (Centre for Glaciology, UK)	Modelling subalpine forest snow processes
15:00	End of workshop	

Poster	First Author	Title
POS01	N. Foppa (University of Bern, Switzerland)	Operational Snow Depth Mapping in the Swiss Alps using Synergy of Satellite and In situ Observations
POS02	N. Petkova (National Institute of Meteorology and Hydrology, Bulgaria)	Snow Cover Variability in Bulgarian Mountainous Regions, 1931-2000
POS03	E. Guseva-Lozinsky (Germany)	Mathematical modelling snow-cover and frozen soil metamorphic structural evolution under various meteorological conditions
POS04	A. Shahabfar (Meteorological Organization, Iran)	Application of Remote Sensing and GIS in Snow Hydrology
POS05	G. Koboltschnig (Vienna University of Natural Resources and Applied Life Sciences, Austria)	Multi-validation approach of a water balance model with high temporal resolution for the modeling of ice- and snowmelt processes at high elevated sites
POS06	F. Pellicciotti (Federal Institute of Technology, Switzerland)	Monitoring and modelling glacier melt and runoff on Juncal Norte glacier, Aconcagua River Basin, central Chile
POS07	U. Strasser (University of Munich, Germany)	Distributed modelling of snow processes in the Berchtesgaden National Park (Germany)
POS08	F. Rota Nodari (Remote Sensing Data Engineering, Italy)	Snow Cover Area (SCA) estimation and analysis in the alpine range using moderate resolution satellites
POS09	M. Rothbart (University of Munich, Germany)	ESCIMO – a physically based model for the simulation of accumulation and ablation of snow
POS10	L. Cazacioc (National Meteorological Administration, Romania)	Snow cover analysis over Romania in relationship to temperature and atmospheric circulation
POS11	A. Colombi (National Institute of Research, Italy)	Evaluation of snowmelt from MODIS images
POS12	J.-P. Dedieu (University of Savoie, France)	Snow cover modelling for alpine plants dynamics (Austria)
POS13	P. Esteban (Catalan Meteorological Service, Spain)	Heavy snowfalls and avalanche activity over eastern pyrenees: a study of two extreme cases
POS14	G. Schuster (University of Freiburg, Germany)	Two Different Approaches on Snow (cover/parameter) Monitoring in the Black Forest Region
POS15	C. Weber (Technical University of Dresden, Germany)	Climatic and environmental information about snow, firn and firn ice in high mountains of South-Eastern Europe
POS16	R. Dadic (Federal Institute of Technology, Switzerland)	Meteorological measurements at Haut Glacier D'Arolla from 2001–2006 and mass balance estimation for this period using DEM's
POS17	J. Schönbein (University of Freiburg, Germany)	Changing Impact of Weather Types on the Snowcover of the German Low Mountain Ranges
POS18	R. Ranzi (University of Brescia, Italy)	Nine years of snow- and ice-melt of the Adamello Glacier: observations and modelling
POS19	L.S. Kuchment (Academy of Sciences, Russia)	Distributed model of snowmelt runoff generation for a mountainous river basin
POS20	M. Tepfenhart (University of Munich, Germany)	Climate change and the competition among ski areas for day tourists