



## DAY 1 : 1<sup>st</sup> of March 2018

<b>09:00 – 09:20</b>	<b>Arrivals</b>
<b>09:20 – 09:30</b>	<b>Welcome Address</b>
09:30 – 09:45	<b>Victor Tsai</b> - <i>California Institute of Technology, United States</i> A simple physics-based improvement to the positive degree day model
09:45 – 10:00	<b>Andreas Bauder</b> - <i>VAW, ETH Zurich, Switzerland</i> Winter Accumulation Measurements using multi-offset GPR
10:00 – 10:15	<b>Nicolas Champollion</b> - <i>Climate Lab, Bremen University, Germany - IGE, Univ. Grenoble Alpes, France</i> Glacier mass loss commitment limits influence of climate change mitigation on glaciers
10:15 – 10:30	<b>Sophie Schiavone</b> - <i>UMR 6049 ThéMA, Université de Franche Comté, Besançon, France</i> 10 years of monitoring in the Austre Lovén glacier basin (Svalbard): results, and perspectives
<b>10:30 – 11:00</b>	<b>Break</b>
11:00 – 11:15	<b>Mauro Werder</b> - <i>VAW, ETH Zurich, Switzerland</i> The roughness of englacial R-channels as determined by laboratory and numerical experiments
11:15 – 11:30	<b>Melchior Grab</b> - <i>VAW, ETH Zurich, Switzerland</i> Surveying the ice volume and bedrock topography with helicopter-borne GPR – toward a complete inventory of Swiss glaciers
11:30 – 11:45	<b>G. J. Church</b> - <i>Laboratory of Hydraulics, Hydrology and Glaciology, ETH Zürich</i> Rhône Glacier proglacial lake outlook and englacial reflectivity analysis using combined ground penetrating radar and seismic geophysical analysis
11:45 – 12:00	<b>Florent Gimbert</b> - <i>IGE, Univ. Grenoble Alpes, France</i> Validating glacier sliding theories from observations at a natural scale
12:00 – 12:15	<b>Loris Compagno</b> - <i>VAW, ETH Zurich, Zurich, Switzerland</i> The reappearance of a crashed airplane on Gauligletscher
12:15 – 12:30	<b>Tristan Brauchli</b> – <i>EPFL, Lausanne, Switzerland</i> Influence of Slope-Scale Snowmelt on Catchment Response Simulated With the Alpine3D Model
<b>12:30 – 14:00</b>	<b>Lunch</b>
14:00 – 14:15	<b>Martin Funk</b> - <i>VAW, ETH Zurich, Switzerland</i> Ice Break-off at the Weissmies North Face
14:15 – 14:30	<b>Fabrizio Troilo</b> - <i>Fondazione Montagna sicura, Courmayeur, Aosta Valley, Italy</i> Ice-Rock Avalanche risk assessment on the Brenva Glacier (Courmayeur, Aosta Valley, Italy)
14:30 – 14:45	<b>Joseph Shea</b> - <i>University of Northern British Columbia, Prince George, Canada</i> Melt rates of buried stagnant ice
14:45 – 15:00	<b>Martina Barandun</b> - <i>Department of Geosciences, University of Fribourg, Fribourg, Switzerland</i> Region-wide estimate of annual glacier mass balance for Central Asia from 2000 to 2017
15:00 – 15:15	<b>Emmanuel Thibert</b> - <i>Université Grenoble Alpes, Irstea, UR ETNA, France</i> Causes of glacier melt extremes in the Alps since 1949
15:15 – 15:30	<b>Gabriela Collao-Barríos</b> - <i>IGE, Univ. Grenoble Alpes, France</i> Patagonian surface mass balance sensitivity to regional climatic changes
15:30 – 15:45	<b>Neil Rosborough</b> - <i>Queen's University Belfast, School of Natural and Built Environment, Belfast, UK</i> Correlations of modelled threshold melt temperatures and remotely sensed glacier variables
<b>15:45 – 17:30</b>	<b>Break and Poster Session</b>

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## DAY 2 : 2<sup>nd</sup> of March 2018

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08:45 – 09:00	<b>Magnús Már Magnússon</b> - <i>Secretary General IGS Cambridge, UK</i> The IGS in a changing world
09:15 – 09:30	<b>Reinhard Drews</b> - <i>Univ. Tuebingen, Germany</i> Actively evolving subglacial conduits and eskers initiate ice shelf channels at an Antarctic grounding line
09:30 – 09:45	<b>Fabien Maussion</b> – <i>Innsbruck, Austria</i> The Open Global Glacier Model (OGGM): a new community model for glacier dynamics applicable at the global scale
09:45 – 10:00	<b>Olaf Eisen</b> - <i>Alfred Wegener Institut, Germany</i> Extreme spatial variability of crystal fabric in Alpine ice core
10:00 – 10:15	<b>Olivier Gagliardini</b> - <i>IGE, Univ. Grenoble Alpes, France</i> Influence of an increasing surface melt over decadal timescales on land terminating outlet glaciers
<b>10:15 – 10:45</b>	<b>Break</b>
10:45 – 11:00	<b>Mattia Callegari</b> - <i>Eurac Research, Institute for Earth Observation, Bolzano, Italy</i> Alpine glacier monitoring through satellite virtual constellations
11:00 – 11:15	<b>Philipp Malz</b> - <i>Department of Geography and Geosciences, University of Erlangen-Nürnberg, Germany</i> Elevation Changes and Geodetic Mass Balance of Glaciers in High Asia
11:15 – 11:30	<b>Luca Davaze</b> - <i>IGE, Univ. Grenoble Alpes, France</i> A new algorithm to automatically derive the glacier end-of-summer snowline from optical satellite images
11:30 – 11:45	<b>Frank Paul</b> - <i>Department of Geography, University of Zurich, Zurich, Switzerland</i> Using Sentinel 2 and the ArcticDEM to create a new glacier inventory for Franz-Josef-Land, Russian Arctic
11:45 – 12:00	<b>Michael Imhof</b> - <i>VAW, ETH Zurich, Switzerland</i> Modelled and reconstructed ice surface elevation of the Rhine Glacier during the Last Glacial Maximum
12:00 – 12:15	<b>Benjamin Lehmann</b> - <i>Institute of Earth Surface Dynamics, Faculty of Geosciences and Environment, University of Lausanne, Lausanne</i> Surface exposure dating and ice-extent reconstruction in the Mont Blanc massif (Mer de Glace)
<b>12:15 – 13:45</b>	<b>Lunch</b>
13:45 – 14:00	<b>Christoph Mayer</b> - <i>Geodesy and Glaciology, Bavarian Academy of Sciences and Humanities, Munich, Germany</i> Mass balance conditions of Fedchenko Glacier, Pamir Mountains, a case study for investigating different input parameters
14:00 – 14:15	<b>Marlene Kronenberg</b> - <i>Department of Geosciences, University of Fribourg, Switzerland</i> Historical and recent firn investigations on Abramov glacier, Kyrgyzstan
14:15 – 14:30	<b>Fanny Brun</b> - <i>IGE, Univ. Grenoble Alpes, France</i> Ice cliffs cannot explain the 'debris-cover anomaly': a case study on Changri Nup Glacier, Nepal, Central Himalaya
14:30 – 14:45	<b>Christian Vincent</b> - <i>IGE, Univ. Grenoble Alpes, France</i> Why do the dark and light ogives of Forbes bands have similar surface mass balances?

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## Poster session Programme

<b>Azzoni et al.</b>	
<b>Bonnefoy-Demongeot et al.</b>	A century of volume changes for Glacier Blanc (Ecrins Range, French Alps) from historical maps and aerial photogrammetry
<b>Colluci R. et al.</b>	
<b>Condom et al.</b>	Spatio-temporal variability of the precipitation into the Arve catchment at Chamonix (Northern French Alps)
<b>Delaney et al.</b>	Subglacial sediment discharge from Gornergletscher: measurements and modeling
<b>Deschamps-Berger et al.</b>	Measuring mountainous snowpack thickness with Pléiades high resolution stereo-images
<b>Duvillard et al.</b>	Damages on high-mountain infrastructure in the french Alps: a warning sign on the permafrost fast degradation?
<b>Egli et al.</b>	Detection of subglacial channels with Ground Penetrating Radar : a study at Glacier d'Otemma, Switzerland
<b>Förster et al.</b>	Applying the ice flow model Úa to the Alpine region: first simulations of Rhonegletscher
<b>Fugazza et al.</b>	Satellite monitoring of spring snowmelt patterns between 2000-2017 on the Upper Irtysh River Basin, Altai Mountains, Central Asia
<b>Gottardelli et al.</b>	A research about the water volume resource of the debris-covered glaciers in the Aosta Valley
<b>Gräff et al.</b>	High Frequency Pressure Oscillations at the Bed of Rhonegletscher
<b>Gregor et al.</b>	Plans for improving the OGGM ice thickness inversion module with a 2D shallow ice dynamic model
<b>Groos et al.</b>	The potential of low-cost UAVs and open-source photogrammetry software to obtain high-resolution glacier surface information: an example from the Kanderfirn (Swiss Alps)
<b>Huwald et al.</b>	Local Surface Mass Balance in East Antarctica
<b>Irrarrazaval et al.</b>	Stochastic subglacial drainage model for data assimilation
<b>Lambrecht et al.</b>	Glaciological investigations at Fedchenko Glacier, Pamir Mountains
<b>Lefauconnier et al.</b>	Sixty years of glacier mass balances in Svalbard
<b>Lüthi et al.</b>	Calorimetric in-situ determination of the unfrozen water content in glacier ice
<b>Marsy et al.</b>	Monitoring rock glacier by optical stereoscopic "time-lapse" device
<b>Mercenier et al.</b>	Modeling ice break off at the glacier front
<b>Mourrey et al.</b>	The effects of climate change on high mountain environments : evolution of mountaineering routes in the Mont Blanc massif over half a century
<b>Nanni et al.</b>	Seismic observations of the subglacial environment and implications for the physics of glacier sliding. Preliminary results and perspectives on the Argentiere glacier (Mt Blanc).
<b>Nelly et al.</b>	
<b>Nigrelli et al.</b>	Monitoring rock and debris temperature in the Bessanese glacial basin: the RiST project",
<b>Oberrauch et al.</b>	The Upper Grindelwald Glacier as indicator for Holocene climate variability?
<b>Peinke et al.</b>	Analysis of cone penetration tests in snow with X-Ray tomography
<b>Ravel et al.</b>	Multi-parameter monitoring of the construction and evolution of a snow bridge over a crevasse on an Alpine glacier
<b>Reveillet et al.</b>	Relative performance of empirical and physical models in assessing the seasonal and annual glacier surface mass balance of Saint-Sorlin glacier (French Alps)
<b>Smiraglia et al.</b>	For a better understanding of the glacier and environment evolution: glaciological trails around the Italian Alps
<b>Sommer et al.</b>	Glacier elevation and mass change in South America from TanDEM-X and SRTM C-band DEMs
<b>Styllas et al.</b>	Mediterranean perennial snowfields and ice bodies on the brink of extinction. The story of Mount Olympus, Greece
<b>Van Dongen et al.</b>	Monitoring of multi calving glaciers using long-range UAVs in Northwest Greenland
<b>Vernesi et al.</b>	The CALICE project: Calibrating Plant Biodiversity in Glacier Ice
<b>Viani A. et al.</b>	Different approaches to modeling the hydro-glaciological behavior of the Arve catchment at Chamonix during the last decades (Northern French Alps)
<b>Viani C. et al</b>	Morphodynamics of glacier lakes resulting from continued glacier shrinkage: past evidences and future scenarios in the Western Italian Alps
<b>Walter et al.</b>	Using terrestrial radar interferometry to analyse calving activity
<b>Wirbel et al.</b>	Modelling debris transport within glaciers

To France (Lyon) / Switzerland (Geneva)

