

International Symposium on Radioglaciology 2026 — Poster Groups

Tübingen, 6–11 September 2026 — Posters divided into two topical blocks (A and B), sorted alphabetically by presenting author's last name within each block

All poster presenters are invited to give a 1-minute lightning presentation showing the essentials of their poster. Posters assigned to Group A will give their lightning presentation on Monday; posters assigned to Group B will give theirs on Tuesday.

There is no poster printing option on site, but Tübingen has multiple copy shops that can do this, for example www.kuhn-copyshop.de.

Group A — Ice Sheets: Antarctica & Greenland (26 posters)

Code	Title	Presenting Author	Page
A-01	Preliminary Inversion Algorithm for Detecting Basal Conditions Using Multi-Frequency Radar	Christopher Barbarie	102
A-02	Eqip Sermia Basal Ice: Analysis of Surface Change and Ice Sheet Deformation	S. Isabel Cordero	83
A-03	Isolating effects of fabric and fractures across Antarctic ice shelves	Athene Demuth	94
A-04	Relating Seasonal Variations in Basal Slipperiness to Runoff, Surface Topography Changes, and Subglacial Conditions at Kangerlussuaq Glacier, Greenland	Majbritt K. Eckert	107
A-05	Supraglacial Lake Drainage and Hydrological Connectivity under Thick Ice Conditions	Tamara Gerber	113
A-06	Using phase-sensitive radar to investigate the Raymond effect in Antarctic ice rises	Marie-Axelle Gillain	121
A-07	Greenland surface accumulation from ice-penetrating radar: interannual variability and comparisons with weather station observations	Nanna B Karlsson	89
A-08	Contrasting internal dynamics at two Antarctic ice rises from vertical velocity profiles and polarimetric fabric measurements	Katrin Lindbäck	78
A-09	Improved subglacial boundary conditions near Dome C, Antarctica, through rigorous integration of multi-campaign radar data and an ensemble stochastic simulation approach	Kenichi Matsuoka	91
A-10	Using Combined Radar and Seismic Observations to Constrain Subglacial Properties Across the Eastern Shear Margin of Thwaites Glacier	Daniel May	119
A-11	Radar-derived constraints on basal temperature and rheology in the echo-free zone	Neosha Narayanan	104

Group A — Ice Sheets: Antarctica & Greenland (26 posters)

Code	Title	Presenting Author	Page
A-12	An inverse approach to inferring crystal orientation fabric anisotropy from polarimetric radar data	Niels Nymand	72
A-13	Ice-sheet evolution in Aurora Subglacial Basin modelled using isochrones and a 3D ice-sheet model	Clara Nyqvist	90
A-14	Reconciling Subglacial Lake Detection: A Physics-Informed Radar Framework for Quantifying Antarctic Basal Hydrology	Mandala Pham	106
A-15	Tracking meltwater infiltration and refreezing in Greenland firn with UHF ApRES time-series observations	Anja Rutishauser	118
A-16	Bed mapping of southern Greenland outlet glaciers using helicopter-borne ground penetrating radar (AIRETH)	Ilaria Santin	75
A-17	Where are Greenland's Grounding Lines? A Bayesian and Open Science Approach for Automated Grounding Line Detection	Michael Shahin	122
A-18	ApRES interferometry to measure deformation in blue ice areas with steeply dipping internal layers	Marguerite Shaya	74
A-19	Subglacial conditions estimated from unsupervised clustering analysis of radar bed-echo shape	Matthew Siegfried	112
A-20	Interpreting ice fabric in the South Pole - Dome A sector	Shivangini Singh	93
A-21	Evidence for Phase Signal in the Antarctic Echo-Free Zone	Hannes Staehlin	86
A-22	Using isochrones in a 3D ice sheet model to reconstruct past ice sheet evolution in the Wilkes Subglacial Basin	Johannes Sutter	120
A-23	Autonomous GPR Observations of Meltwater Percolation and Snow Density on the Greenland Ice Sheet	Laura Wilson	N/A
A-24	Antarctic subglacial specular content mapping for ice sheet models	Duncan Young	73
A-25	Effect of coherent subglacial water area on basal reflectivity	Sunme Zhao	81
A-26	Spatiotemporal variability in surface mass balance from radar stratigraphy in Dronning Maud Land, East Antarctica	Alexandra M. Zuhr	110

Group B — Mountain Glaciers, Firn & Remote Sensing / Instrumentation (26 posters)

Code	Title	Presenting Author	Page
B-01	Quantifying Water Content, Density, and Structure Changes of Snowpack on the Juneau Icefield Through Ground Penetrating Radar	Eleanore Allan-Rahill	103
B-02	Focussing of ice-penetrating Synthetic Aperture Radar by propagation based on diffraction to correct defocussing by refraction	Alvaro Arenas-Pingarron	87
B-03	Multidimensional glacier velocity retrieval in the Himalayas using interferometric Sentinel-1 SAR Data	Shubham Bhattacharjee	99
B-04	Making Glacial Radar Research Accessible with the Open Radar Code Architecture (ORCA)	Nicole Bienert	95
B-05	Capabilities of new airborne NZArC-CReSIS ice-penetrating radar on Windracers ULTRA UAV	Charlotte Carter	76
B-06	The Grenzgletscher at 3700 m: Results from a seismic survey complemented by GPR measurements	Emma Chizzali	115
B-07	Recent estimates of ice thickness across the Juneau Icefield from 1 MHz ground-based radar	Renée Clavette	105
B-08	Structural persistence and connectivity of englacial drainage pathways in an Alpine glacier revealed by 4D UAV-based GPR	Mélissa Francey	111
B-09	Sensitivity of ice flow to bed reconstruction in Grenzgletscher	Cristina Gerli	108
B-10	Estimation of ice thickness using Ground Penetrating Radar (GPR) of the Shallap glacier in the Cordillera Blanca, Peru	Camila Granados Quispe	85
B-11	Towards a new high-resolution bedrock topography map of the upper part of Grenzgletscher (Switzerland)	Helene Hoffmann	117
B-12	Easy come, easy go? More than a decade of firn volume fluctuations on the Juneau Icefield, AK and implications for climate sensitivity	Mikaila Mannello	80
B-13	Mapping Ice Slab Front Geometries in Greenland Using Polarimetric Satellite Radar Backscatter	Ellen Mutter	96
B-14	On the evolution of the hydrothermal structure of polythermal glaciers in Svalbard	Francisco Navarro	101
B-15	Simulation-based inference of crystal orientation fabric from polarimetric radar measurements	Johannes Noll	109
B-16	Deep Learning-Based Semantic Segmentation of Polythermal Glacier Structure from Ground-Penetrating Radar Data	Jaime Roas	79

Group B — Mountain Glaciers, Firn & Remote Sensing / Instrumentation (26 posters)

Code	Title	Presenting Author	Page
B-17	Multiparametric glacier dynamics in the western Himalayas, India, using integrated SAR and optical remote sensing	Munizzah Salim	100
B-18	Effects of basal debris on radar signals: a lab experiment	Rebecca Schlegel	82
B-19	Estimating instrument performance for high-altitude radar sounders using open radar data	Thomas Teisberg	84
B-20	Frequency-Dependent Polarimetric Analysis of Snow on Sea Ice Using Airborne UWB FMCW Radar	Luisa Wagner	88
B-21	Mitigating Mountain Glaciers Melt with Geoengineering	Feiteng Wang	98
B-22	Terrestrial Radar Interferometry as a dual tool for glacier and atmospheric dynamics	Christian Wild	114
B-23	Topographic 3D Post-Stack RTM for UAV-Based GPR Surveys	Linan XU	116
B-24	Inferring Greenland Dry Snow Zone Depth-Density Profiles from Open Polar Radar Data	Siyu Xue	92
B-25	Classification of ice sheet dry-wet surface status using passive microwave satellite	Pierre Zeiger	77
B-26	MIDAS: A Miniaturised Drone-Based Altimeter System for Surveying Sea Ice	—	97

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Presenting Author	Title	Page
Lisa Crow	A free byte for lunch: Long-term observations of glacier properties using wireless sensors, and bonus insights from changes in received signal strength	71