

Poster Number	Presenter(s)	Poster Title	Research Area	Tuesday, August 15 Availability	Monday, August 21 Availability
1	Joel Rowland	InterFACE Overview	Project Overview	entire session	entire session
2	T. Scott Rupp	InterFACE Data Management: Resources and Activities	Project Overview	entire session	entire session
3	Kurt Solander	CMIP6 streamflow benchmarking over the Arctic	Permafrost Hydrology	entire session	entire session
4	Jitu Kumar, Nathan Collier	Watershed model benchmarking and analysis within International Land Model Benchmarking system	Permafrost Hydrology	entire session	entire session
5	Matt Cooper	Rising subsurface water storage in North American Arctic and Subarctic river basins inferred from baseflow recession	Permafrost Hydrology	12:00 - 1:30 p.m.	12:00 - 1:30 p.m.
6	Jon Schwenk (co-authors: Bennett*, Bachand, Gasarch, Stachelek, Bolton, Rowland, *first author)	Recent streamflow trends across permafrost basins of North America	Permafrost Hydrology	12:00 - 1:00 p.m.	entire session
7	Brown	Detecting trends and geospatial patterns of river ice navigability with remote sensing	Rivers - Temperature, Ice, Erosion	not available	entire session
8	Russ Limber, Jitu Kumar	Forecasting River Ice Breakup using Long Short Term Memory Model	Rivers - Temperature, Ice, Erosion	entire session	not available
9	Shuyu Chang	A deep-learning approach to predict river temperature in Alaska	Rivers - Temperature, Ice, Erosion		12:00 - 3:00 p.m.
10	Kavya Sivaraj, Dana Brown, Kurt Solander, Charles Abolt, Jon Schwenk, Elizabeth Hunke	Characterization of Arctic Hydrologic Dynamics Using Supervised Machine Learning	Rivers - Temperature, Ice, Erosion	12:00 - 3:00 p.m.	
11	Joel Rowland et al.	Scale-dependent influence of permafrost on riverbank erosion rates	Rivers - Temperature, Ice, Erosion	entire session	entire session
12	Bo Gao, Ethan Coon, Matt Cooper, Jon Schwenk, Tian Zhou	Improving the Estimation of Discharge in Permafrost Simulations by Coupled ATS-MOSART	Permafrost Hydrology	entire session	entire session

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13	Tian Zhou (Co-authors: Chang Liao, Matt Cooper, Donghui Xu, Darren Engwirda, Bo Gao, Jon Schwenk, Ethan Coon)	Mesh-independent River Modeling in the Sagavanirktok River Basin	Permafrost Hydrology	11:00 a.m. - 12:00 p.m. MT	11:00 a.m. - 12:00 p.m. MT
14	Yu Zhang (Co-authors: Elchin Jararov, Anastasia Piliouras, Ben Jones, Joel Rowland, and David Moulton)	The flooding effect on coastal permafrost thaw	Coastal Erosion and Flooding	9:00 - 11:00 a.m. MT	9:00 - 11:00 am MT
15	Diana Bull, Jennifer Frederick	The Arctic Coastal Erosion Model: Calibration at Drew Point, Alaska	Coastal Erosion and Flooding	12:00 - 3:00 p.m.	12:00 - 3:00 p.m.
16	Umakant Mishra (Co-Authors: Sagar Gautam, Anastasia Piliouras)	Ensemble Machine learning accurately predicts coastal shoreline change rate	Coastal Erosion and Flooding	entire session	entire session
17	D. Bull, A. Bennett, V. Alexeev	Coastal Typologies for Modeling Coastal Erosion on the North Slope of Alaska	Coastal Erosion and Flooding	entire session	entire session
18	Meibing Jin, Nicole Jeffery, Georgina Gibson, Hajo Eicken, Clara Deal	Influence of rivers and coastal erosion on the Arctic Ocean carbon cycle using E3SM v2	Biogeochemistry	12:00 - 3:00 p.m.	12:00 - 3:00 p.m.
19	Kat Smith	Effects of Surface Boundary Layer Mixing on Arctic Ocean Biogeochemistry	Ocean Dynamics	entire session	entire session
20	Georgina Gibson	Using E3SM to quantify marine resources in high latitude seas	Transportation, Marine Natural Resources	12:00 - 3:00 p.m.	not available
21	Jeffery	Simulating Arctic Benthic Organic Carbon in E3SM	Biogeochemistry	10:00 a.m. - 12:00 p.m. MT	10:00 a.m. - 12:00 p.m. MT
22	Andrew Roberts	Implementing Landfast Ice in E3SM	Sea Ice	maybe 9:00 a.m. - 12:00 p.m.	9:00 a.m. - 12:00 p.m. MT
23	Roberts	Impact of Arctic Mesh Refinement on Global Sea Ice State in E3SM	Sea Ice	maybe 9:00 a.m. - 12:00 p.m.	9:00 a.m. - 12:00 p.m. MT

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24	Hajo Eicken (Co-authors: J.E. Walsh, K. Redilla, M.A. Johnson, U.S. Bhatt)	Sea ice breakup and freeze-up indicators: Coastal user and ESM perspectives	Sea Ice	10:00 a.m. - 12:00 p.m. MT	10:00 a.m. - 12:00 p.m. MT
25	Erin Thomas	Wave-Sea Ice Coupling in E3SM	Ocean Dynamics	entire session	entire session
26	Erin Thomas	WAVEWATCH III Performance Summary	Ocean Dynamics	entire session	entire session
27	Ying Zhang (co-authors: Siwa Msangi, James Edmonds, Stephanie Waldhoff)	Limited increases in Arctic offshore oil and gas production with climate change and the implications for energy markets	Energy Resources	entire session	entire session
28	Taryn Waite (co-authors: Meredydd Evans, Nazar Kholod, Joel Rowland)	Mobility in the Changing Arctic: Quantitative Methods to Assess Climate and Socioeconomic Impacts on Arctic Transportation Systems	Transportation, Marine Natural Resources	entire session	entire session
29	Meredydd Evans (Nazar Kholod)	Linking climate change and human systems: a case study of Arctic pipelines	Energy Resources	Beginning at 11:00 a.m. MT	12:00 - 1:00 p.m. MT
30	Waite (co-authors: Ying Zhang, Stephanie Waldhoff, Meredydd Evans, Nazar Kholod, Jae Edmonds, Nicholas Parlato, Amy Lovecraft)	Impacts of climate change and global energy transitions on community security in Arctic Alaska	Energy Resources	entire session	entire session