

TIME IN CST (UTC-6)



Papers by GIWS Members at 2020 Fall AGU (December 7 - 17, 2020)

Author(s)	Session - ID	Title	Date	Time (CST)	Type
Monday, 7 December 2020					
Seth Kwaku Amankwah & Andrew Ireson	H006-0007	Alternative Approaches to Quantifying the Soil Freezing Characteristic Curve in Field and Laboratory Soils	7-Dec-20	6:00-22:59	Poster
Sujan Basnet, Andrew Ireson, Paul Bartlett & Alan Barr	C002-0007	Quantifying evapotranspiration and infiltration in a seasonally frozen forest	7-Dec-20	6:00-22:59	Poster
Zoe Pierrat & others (incl. Alan Barr, Bruce Johnson)	B006-0018	Radiative transfer and viewing geometry considerations for the SIF/GPP relationship	7-Dec-20	6:00-22:59	Poster
Ying Zhao	H004-0030	Simulation in Preferential Flow by Multi-dimensional Modeling Approach	7-Dec-20	6:00-22:59	Poster
Cob Staines & John Pomeroy	C006-04	Toward a physically based canopy metric for estimating snow accumulation in forests	7-Dec-20	07:45-07:49	Virtual
Naoki Mizukami, Shervan Gharari & Martyn Clark	H014-08	Progress in variable resolution, global domain, vector river-lake network routing model	7-Dec-20	07:58-08:02	Virtual
Raymond Spiteri & others (incl. Andrew Ireson, Martyn Clark)	A022-13	Laugh Tests for Land Models	7-Dec-20	18:36-18:39	Virtual
Tuesday, 8 December 2020					
Ahmed Abdelkader & Amin Elshorbagy	GC023-0018	Water-food-trade planning: An opportunity for re-framing and addressing the conflicts over the Nile water	8-Dec-20	6:00-22:59	Poster
Andre Bertoncini, Caroline Aubry-Wake & John Pomeroy	C011-0004	Large Area High-Resolution Albedo Retrievals from Remote Sensing to Assess the Impact of Wildfire Soot Deposition on High Mountain Snow and Ice Melt.	8-Dec-20	6:00-22:59	Poster
Andrew Wood & others (incl. Martyn Clark)	H041-02	A new SUMMA and MizuRoute hydrologic modeling resource for US water applications	8-Dec-20	07:34-07:38	Virtual
Caroline Aubry-Wake & John Pomeroy	GC030-02	Weather, snow and ice: Hydrological and landscape changes in the Canadian Rockies headwaters (Invited)	8-Dec-20	12:34-12:38	Virtual
Jay Famiglietti	H044	Walter Langbein Lecture - Acceptance of Hydrology Sciences Award	8-Dec-20	12:37-12:40	Virtual
Sara Sadri & others (incl. Jay Famiglietti)	H046-05	Water resources optimization and irrigation advisory based on farm-level remote sensing and crop water demand	8-Dec-20	18:16-18:20	Virtual
Inne Vanderkelen & others (incl. Martyn Clark)	H051-06	The impact of global reservoir expansion on the present day climate	8-Dec-20	21:20-21:24	Virtual
Louise Arnal & others	SY019-09	Consilience - exploring the spaces where the sciences and the arts meet	8-Dec-20	21:25-21:28	Virtual
Wednesday, 9 December 2020					
Irena Creed	H066-04	Weakening of Hydrologic Episodes Leads to Biogeochemical Disruptions in Northern Forests (Invited)	9-Dec-20	07:42-07:46	Virtual
Graham Strickert	SY026-02	Mamawi-atosketan in the Saskatchewan River Delta.	9-Dec-20	18:08-18:12	Virtual

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Wouter Knoben, Shervan Gharari, Andy Wood & Martyn Clark	IN016-11	Facilitating Reproducible Science: a Workflow for Setting up SUMMA Simulations Anywhere on the Globe (Invited)	9-Dec-20	23:00-23:03	Virtual
Simon Gascoin & Abbas Fayad	IN016-13	From the American West to the Middle East: Trickle-down theory applied to snow science	9-Dec-20	23:06-23:09	Virtual
Thursday, 10 December 2020					
Chandler Noyes & others (incl. Grand Ferguson)	H090-0001	Fossil Groundwaters: Relict of Past Climates or Flow System Size?	10-Dec-20	6:00-22:59	Poster
Mitra Asadollahi & others (incl. Magali Nehemy, Jeffrey McDonnell)	H091-0003	How can we improve our hydrological models and their predicted travel times? Lessons learned from a vegetated lysimeter experiment.	10-Dec-20	6:00-22:59	Poster
Mennatullah Elrashidy, Andrew Ireson & Saman Razavi	H086-0009	Simulating wetland-upland hydrological interactions in the Canadian boreal region	10-Dec-20	6:00-22:59	Poster
Kyoko Ikeda & others (incl. Lucia Scaff, Yanping Li, Lintao Li)	A096-0003	CONUS II, a new 20-year convection-permitting simulation over North America: How well does it perform on snowpack?	10-Dec-20	6:00-22:59	Poster
Zhe Zhang & others (incl. Yanping Li, Zhenhua Li)	A083-05	Exploring climate-groundwater-wetland nexus in North America Prairie Pothole Region using convection-permitting simulations	10-Dec-20	06:16-06:20	Virtual
John Pomeroy, Xing Fang, Phillip Harder & Evan Siemens	H098-04	Changes in Mountain Hydrology from 1962 to 2100: The Past, Present and Future of a Canadian Rockies Headwaters Basin Subject to Climate Change and Forest Management	10-Dec-20	18:12-18:16	Virtual
Delphis Levia & others (incl. Irea Creed)	GC065-04	Planetary resilience jeopardized by homogenization of the terrestrial water cycle	10-Dec-20	21:12-21:16	Virtual
Magali Nehemy, Jason Maillet, Christoforos Pappas, Colin Laroque & Jeffrey McDonnell	H106-05	Stable isotopes in the cold Critical Zone: Snowmelt water contributes significantly to tree water storage refilling	10-Dec-20	22:46-22:50	Virtual
Assaad Mrad & others (incl. Irena Creed)	GC066-06	Peak grain forecasts in the U.S. High Plains amid withering waters	10-Dec-20	22:50-22:54	Virtual
Friday, 11 December 2020					
Louise Arnal, Martyn Clark & others	H111-0030	Quantifying streamflow predictability across North America on sub-seasonal to seasonal timescales	11-Dec-20	6:00-22:59	Poster
Oyemonbade Herve Rodrigue Awoye & others (incl. Fuad Yassin, Daniel Princz, Saman Razavi, Bruce Davison, Mohamed Elshamy, Martyn Clark)	H111-0035	The Nelson-MiP project: a large-scale multi-model inter-comparison project of hydrological processes in the Saskatchewan-Nelson-Churchill river basin in Canada	11-Dec-20	6:00-22:59	Poster
Wouter Knoben & others (incl. Martyn Clark, Abbas Fayad)	H111-0013	Process-Based Model Evaluation of Continental Domain Snow Simulations	11-Dec-20	6:00-22:59	Poster
Hamidreza Rashidi & others (incl. Maryam Madani Larijani, Lori Bradford)	ED032-03	Climate Change Education; Investing in Tomorrow's Sustainability Leaders in Developing Countries	11-Dec-20	09:07-09:10	Virtual
Alison Irvine, Corinne Schuster-Wallace, Lalita Bharadwaj & Sarah Dickson-Anderson	H123-08	Opportunities to Revolutionize First Nations Drinking Water Governance in Canada	11-Dec-20	18:32-18:36	Virtual
Monday, 14 December 2020					
Zhenhua Li & Yanping Li	A151-0003	Canadian Prairies Extreme Precipitation Events and Atmospheric Circulation under Current and Future Climate	14-Dec-20	6:00-22:59	Poster
Chris Marsh, Raymond Spiteri, John Pomeroy	H134-0003	Multi-objective unstructured meshes for improved mountain snow hydrology with the Canadian Hydrological Model (CHM)	14-Dec-20	6:00-22:59	Poster
Lucia Scaff, Sebastian Krogh & Yanping Li	C047-0019	Impacts of changing winter warm spells on snow ablation in the mountains of western North	14-Dec-20	6:00-22:59	Poster

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Jing Wei & others (incl. Mohammad Ghoreishi)	H139-0006	A Sociohydrological Framework to Understand Conflict and Cooperation Dynamics in	14-Dec-20	6:00-22:59	Poster
Martyn Clark		Current Editor in Chief Remarks - Martyn Clark	14-Dec-20	12:28-12:32	Virtual
Merrin Macrae & others (Incl. Helen Baulch, John Pomeroy, Jane Elliott)	H158-08	The Risk of "One-Size Fits All" Conservation Recommendations to Improve Agricultural Water Quality (Invited)	14-Dec-20	22:58-23:02	Virtual
Tuesday, 15 December 2020					
Mauela Irene Brunner & others (incl. Simon Papalexiou, Martyn Clark)	GC098-0009	Spatial floods in the United States: understanding, modeling, and hazard estimation	15-Dec-20	6:00-22:59	Poster
David Rupp & others (incl. Martyn Clark)	H172-0007	Climate-Driven Changes in Synchronicity of Mainstem and Tributary High Flows May Alter Flood Risk in the Columbia River Basin	15-Dec-20	6:00-22:59	Poster
Barbara Sherwood Lollar & others (incl. Grant Ferguson, Jeffrey McDonnell)	H160-01	To impermeable, and beyond: Expanding conceptual models for the hidden hydrogeosphere (Invited)	15-Dec-20	06:00-06:06	Virtual
Audrey H Sawyer & others (incl. Jay Famiglietti)	OS041-10	Towards global-scale estimates of fresh submarine groundwater discharge (Invited)	15-Dec-20	06:27-06:30	Virtual
Hongli Liu & others (incl. Martyn Clark)	H175-01	Quantifying uncertainty in deterministic observed meteorological datasets: A case study applied to large-domain gridded NLDAS-2 daily precipitation and temperature fields	15-Dec-20	09:00-09:04	Virtual
Julie Vano & others (incl. Martyn Clark)	H176-02	Dos and Don'ts for navigating model selection in climate change work for water planning and management	15-Dec-20	09:04-09:08	Virtual
Guoqiang Tang & Others (incl. Martyn Clark, Simon Papalexiou, Paul Whitfield)	H175-03	EMDNA: Ensemble Meteorological Dataset for North America	15-Dec-20	09:08-09:12	Virtual
Wednesday, 16 December 2020					
Will Pueler & others (incl. Jane Elliott, John Pomeroy)	H215-0013	Runoff and Climate Change at the Field-Scale: Comparing Projections and Observations Across Regions	16-Dec-20	6:00-22:59	Poster
Abbas Fayad & John Pomeroy	C063-0004	Evaluation of snowpack and glacier dynamics using a physically parameterized hydrological land surface scheme and in-situ meteorological forcing in the Canadian Rockies	16-Dec-20	6:00-22:59	Poster
Ines Sanchez-Rodriguez & Andrew Ireson	H194-0003	Intercomparison of approaches for modelling infiltration in frozen soil	16-Dec-20	6:00-22:59	Poster
Lina Stein & others (incl. Martyn Clark, Wouter Knoben)	H203-04	Process oriented insights from interpretable machine learning - what influences flood generating processes?	16-Dec-20	09:12-09:16	Virtual
Irena Creed & others	H205-08	Vulnerable waters confer watershed resilience	16-Dec-20	10:58-11:02	Virtual
Grant Ferguson & others (incl. Keegan Jellicoe, Chris Perra, Blake Woroniuk)	H213-04	The Anthropocene in the Deep Subsurface	16-Dec-20	19:39-19:42	Virtual
Ji-Hyun Kim & others (incl. Grant Ferguson)	H213-05	Residence time of basinal fluids and paleo flow system in the Paradox Basin using radio-krypton isotopes	16-Dec-20	19:42-19:45	Virtual
Thursday, 17 December 2020					
Martyn Clark & others (incl. Shervan Gharari, Simon Papalexiou, Paul Whitfield, Alain Pietroniro, Louise Arnal, Wouter Knoben, Guoqiang Tang, Jim Freer, Raymond Spiteri, John Pomeroy)	H219-07	Probabilistic simulations and predictions of hydrological processes over North America	17-Dec-20	06:24-06:28	Virtual

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Diogo Costa & others (incl. John Pomeroy)	H225-07	Preferential elution of ionic solutes in melting snowpacks: Improving process understanding through field observations and modelling in the Rocky Mountains	17-Dec-20	07:48-07:51	Virtual



