

Virtual Event: Annual Seminar 2020

Monday, 14 September 2020

Moderator: Michail Diamantakis (ECMWF) (09:45 - 11:30)

time	[id] title	presenter
09:45	[1] Welcome	Dr RABIER, Florence
10:00	[2] Towards a Digital Twin of the Earth System	WEDI, Nils
10:45	[11] GungHo: Designing a next generation dynamical core for weather & climate prediction	MELVIN, Thomas

Tuesday, 15 September 2020

Moderator: Michail Diamantakis (ECMWF) (09:00 - 10:30)

time	[id] title	presenter
09:00	[29] Exploring a representation of model uncertainty in the IFS due to the transport scheme	LOCK, Sarah-Jane
09:45	[10] Compatible finite elements for numerical weather prediction	COTTER, Colin

Moderator: Michail Diamantakis (ECMWF) (14:30 - 16:00)

time	[id] title	presenter
14:30	[20] On the improvement of operational downscaling in spectral wave models	ROLAND, Aron
15:15	[19] Sea ice rheology and numerical solvers for sea ice dynamics	LEMIEUX, Jean-Francois

Wednesday, 16 September 2020

Moderator: Michail Diamantakis (ECMWF) (13:45 - 16:30)

time	[id] title	presenter
13:45	[24] Mixed-Precision Arithmetic in Earth-System Modelling	HATFIELD, Sam
14:30	[3] The GFDL Finite-Volume Cubed-Sphere Dynamical Core: Design and Prospects for Global and Unified Modeling	HARRIS, Lucas
15:15	Coffee break	
15:45	[5] Global Nonhydrostatic Atmospheric Modeling using Spherical Centroidal Voronoi Meshes	SKAMAROCK, Bill

Thursday, 17 September 2020

Moderator: Michail Diamantakis (ECMWF) (10:30 - 12:15)

time	[id] title	presenter
10:30	[30] Transport schemes for weather and climate models	WELLER, Hilary
11:15	Coffee break	
11:30	[27] Physics-dynamics aspects of the AROME model and its coupling with NEMO and WW3 ocean/wave model	MALARDEL, Sylvie

Friday, 18 September 2020

Moderator: Michail Diamantakis (ECMWF) (10:45 - 12:15)

time	[id] title	presenter
10:45	[51] Next-Generation Time Integration for Weather and Climate Simulations	SCHREIBER, Martin
11:30	[33] Discontinuous Galerkin methods for Numerical Weather Prediction	TUMOLO, Giovanni