

Wednesday 7

AR modeling & Forecasting

Session chair: Jorge Eiras-Barca

*Notice: Time is relative to 1300 UTC*



Moderators	Tin	Type	Abstract ID	Last Name	First Name	Institution	Abstract title
Christine Albano & Maximiliano Viale	0:00	Intro Remarks		Eiras	Jorge		
	0:05	Key Note		Tallapragada	Vijay	EMC/NCEP/NOAA, USA	Emerging Advancements at NCEP in AR Observations, Modeling and Data Assimilation
	0:25	Talk/01	IARCS/003	Lakshmi Douluri	Dhana	Indian Institute of Technology Kharagpur, India	Numerical modeling Study of Atmospheric Rivers and associated Heavy Precipitation over the West Coast of India using WRF-ARW model
	0:31	Talk/02	IARCS/009	Doyle	James D	U.S. Naval Research Laboratory, USA	Diagnosing Multi-scale Forecast Sensitivity of Atmospheric Rivers Using Adjoint
	0:37	Talk/03	IARCS/034	Reynolds	Carolyn	US Naval Research Laboratory, USA	Naval Research Laboratory Analysis of AR RECON Buoy and Dropsonde Impacts
	0:43	Talk/04	IARCS/048	English	Jason M	CIRES / NOAA, USA	Evaluating Experimental and Operational RAP/HRRR Model Forecasts of AR Events in California
	0:49	Talk/05	IARCS/051	Huang	Huanping	Lawrence Berkeley National Laboratory, USA	Sources of subseasonal-to-seasonal predictability of atmospheric rivers and precipitation in the western United States
	0:55	Discussion					
Jonhatan Rutz & Raúl Valenzuela	1:10	Break					
	1:15	Lightning/01	IARCS/007	Bresson	Hélène	Alfred Wegener Institute, Germany	Atmospheric River Over the Arctic with the ICON model
	1:17	Lightning/02	IARCS/047	Tallapragada	Vijay	EMC/NCEP/NOAA, USA	Atmospheric River Reconnaissance Dropsonde Data Impact in the NCEP Operational GFS
	1:19	Lightning/03	IARCS/069	Cordeira	Jason M.	Plymouth State University, U.S.A.	Evaluating GFS and ECMWF Ensemble Forecasts of Integrated Water Vapor Transport Along the U.S. West Coast
	1:21	Lightning/04	IARCS/084	Viale	Maximiliano	IANIGLA - CONICET-Mendoza Argentina	A Web Site with Atmospheric Rivers forecast tools for the West Coast of Southern South America
	1:23	Lightning/05	IARCS/094	Cannon	Forest	Scripps Institution of Oceanography, USA	Observations and Predictability of a High-Impact Narrow Cold-Frontal Rainband over Southern California on 2 February 2019
	1:25	Lightning/06	IARCS/096	Tseng	Kai-Chih	NOAA GFDL Princeton University, USA	Seasonal Prediction of western North America Atmospheric Rivers
	1:27	Lightning/07	IARCS/097	Viale	Maximiliano	IANIGLA - CONICET Mendoza, Argentina	Inland Penetration of Atmospheric Rivers over the Patagonian Andes in the Esquel city area 43°S of Argentina
	1:29	Lightning/08	IARCS/100	Sun	Rui	Scripps Institution of Oceanography, USA	The role of air-sea interactions in atmospheric river events: Case studies using the SKRIPS regional coupled model
	1:31	Lightning/09	IARCS/106	Steinhoff	Daniel	CW3E, Scripps Institution of Oceanography, UC San Diego, USA	Description and Validation of the 34-Year West-WRF Reforecast
	1:33	Lightning/10	IARCS/107	Reynolds	David	Dept. of Atmos. and Oceanic Sciences, Univ. of Colorado, USA	Analysis of a Tuned Version of the WRF Model's Prediction of Rainfall over the Russian Basin During Land-Falling Atmospheric Rivers
	1:35	Lightning/11	IARCS/110	Zheng	Minghua	CW3E, Scripps Institution of Oceanography, UC San Diego, USA	Impacts of Assimilating Dropsonde Obs from Atmospheric River Reconnaissance on Forecasts of Landfalling ARs and the Precipitation across the Western US
	1:37	Lightning/12	IARCS/118	Subramanian	Aneesh	University of Colorado Boulder, USA	The Impact of Additional Sfc. Pressure Obs over the NE Pacific Ocean on the Data Assimilated Analysis and Forecast of Atmospheric Rivers During Feb - Apr 2019
	1:39	Discussion					
Anna Wilson & Jorge Eiras-Barca	1:55	Break					
	2:00	Talk/06	IARCS/070	Leung	L. Ruby	Pacific Northwest National Laboratory, USA	Response of Landfalling Atmospheric Rivers on the U.S. West Coast to Local Sea Surface Temperature Perturbations
	2:06	Talk/07	IARCS/085	Torn	Ryan	University at Albany, USA	Application of Ensemble Sensitivity during the AR Recon 2020 Experiment
	2:12	Talk/08	IARCS/098	Minder	Justin Robert	University at Albany, USA	Parameter Perturbations to Microphysical and Turbulence Schemes for Convection-Permitting Ensemble Forecasts of Orographic Precipitation
	2:18	Talk/09	IARCS/105	Viale	Maximiliano	IANIGLA - CONICET Mendoza, Argentina	A Narrow Cold Frontal Rainband within an AR impacting on the coastal Piuñén cordillera in the Chiloé Island, Chile
	2:24	Talk/10	IARCS/117	Haase	Jennifer S.	Scripps Institution of Oceanography, USA	The Pacific Northwest flooding event of 5-7 Feb 2020: a case study for Airborne Radio Occultation data assimilation
	2:30	Discussion					
	2:50	Transition/Closing Remarks/Break					
	3:00	Break out room discussion					