Day	3			**Wednesday, September 11, 2024**
		Aula Magna		**GUTTA AUREA Award Cerimony**
		8:45	9:15	The Marzano "Gutta Aurea" (golden drop, in latin) award has the ambition of preserving the human and scientific memory of our late colleague Frank Marzano, who passed away prematurely and unexpectedly in 2022 at the age of 59 and intends to recognize outstanding international contributions in remote sensing applied to atmospheric science, meteorology, and telecommunications. The winner of the 2024 edition will be announced and will be required to give a keynote speech.

Session	1	**Aula Magna**		**Operational aspects**
	1	9:20	9:35	**ASSESSMENT OF HAIL DETECTION CAPABILITY OF HYDROMETEOR IDENTIFICATION ALGORITHM OVER C-BAND NETWORK** *1) Paola Salio, 2) Esteban Garuti, 3) Vito Galligani, 4) Maite Cancelada, 5) Fernanda Verdelho, 6) Cesar Beneti* 1) Universidad de Buenos Aires. Facultad de Ciencias Exactas y Naturales. Departamento de Ciencias de la Atmósfera y los Océanos. Buenos Aires, Argentina. - CONICET – Universidad de Buenos Aires. Centro de Investigaciones del Mar y la Atmósfera. Buenos Aires, Argentina. Instituto Franco-Argentino de Estudios sobre el Clima y sus Impactos – IRL 3351 – CNRS-CONICET-IRD-UBA. Buenos Aires, Argentina. - , 2) Servicio Meteorológico Nacional. Buenos Aires Argentina. - Universidad de Buenos Aires. Facultad de Ciencias Exactas y Naturales. Departamento de Ciencias de la Atmósfera y los Océanos. Buenos Aires, Argentina. - , 3) Servicio Meteorológico Nacional. Buenos Aires Argentina. - CONICET – Universidad de Buenos Aires. Centro de Investigaciones del Mar y la Atmósfera. Buenos Aires, Argentina. Instituto Franco-Argentino de Estudios sobre el Clima y sus Impactos – IRL 3351 – CNRS-CONICET-IRD-UBA. Buenos Aires, Argentina. - , 4) Universidad de Buenos Aires. Facultad de Ciencias Exactas y Naturales. Departamento de Ciencias de la Atmósfera y los Océanos. Buenos Aires, Argentina., 5) SIMEPAR - Environmental Technology and Monitoring Services, Curitiba, Brazil., 6) SIMEPAR - Environmental Technology and Monitoring Services, Curitiba, Brazil.
	2	9:35	9:50	**A DEEP EVALUATION OF SEVERE HAIL ALGORITHMS USING CONVENTIONAL RADAR METRICS AND A NEW CNN-BASED APPROACH APPLIED TO MÉTÉO-FRANCE RADAR NETWORK** *1) Clotilde Augros, 2) Vincent Forcadell, 3) Maxandre Ouradou, 4) Olivier Caumont, 5) Pierre Lepetit, 6) Cloé David* 1) CNRM, Université de Toulouse, Météo-France, CNRS, Toulouse, France, 2) CNRM, Université de Toulouse, Météo-France, CNRS, Toulouse, France - Descartes Underwriting, Paris, France - , 3) CNRM, Université de Toulouse, Météo-France, CNRS, Toulouse, France, 4) Météo-France, Direction des opérations pour la prévision, Toulouse, France - CNRM, Université de Toulouse, Météo-France, CNRS, Toulouse, France - , 5) Météo-France, Direction de l'Observation, Toulouse, France, 6) CNRM, Université de Toulouse, Météo-France, CNRS, Toulouse, France
	3	9:50	10:05	**AN INNOVATIVE APPROACH FOR REAL-TIME HAIL SIZE ESTIMATION** *1) Valentina Gregori, 2) Antonio Frigioni, 3) Nicola Carlon, 4) Andrea Chini, 5) Massimo Crespi, 6) Gianluca Ferrari* 1) Hypermeteo S.r.l., 2) Radarmeteo S.r.l., 3) Radarmeteo S.r.l., 4) Hypermeteo S.r.l., 5) Hypermeteo S.r.l., 6) Hypermeteo S.r.l.
	4	10:05	10:20	**IMPROVING ZDR COLUMN DETECTION WITH THE "HOTSPOT METHOD"** *1) Vinzent Klaus, 2) John Krause* 1) BOKU University, Institute of Meteorology and Climatology, Vienna, Austria, 2) Cooperative Institute for Severe and High-Impact Weather Research and Operations (CIWRO), Norman, Oklahoma
	5	10:20	10:35	**DEVELOPMENT OF AN OPERATIONAL SURFACE HYDROMETEOR CLASSIFICATION ALGORITHM FOR THE NEXRAD NETWORK** *1) Jacob Carlin, 2) Lee Dunnavan, 3) John Krause, 4) Marcus Johnson* 1) Cooperative Institute for Severe and High-Impact Weather Research and Operations, University of Oklahoma, Norman, Oklahoma, USA - NOAA/OAR National Severe Storms Laboratory, Norman, Oklahoma, USA - , 2) Cooperative Institute for Severe and High-Impact Weather Research and Operations, University of Oklahoma, Norman, Oklahoma, USA - NOAA/OAR National Severe Storms Laboratory, Norman, Oklahoma, USA - , 3) Cooperative Institute for Severe and High-Impact Weather Research and Operations, University of Oklahoma, Norman, Oklahoma, USA - NOAA/OAR National Severe Storms Laboratory, Norman, Oklahoma, USA - , 4) Cooperative Institute for Severe and High-Impact Weather Research and Operations, University of Oklahoma, Norman, Oklahoma, USA -
	6	10:35	10:50	**RAPID-SCAN OBSERVATIONS OF TORNADOGENESIS AND SENSITIVITIES TO RADAR-BASED THRESHOLDS: TRENDS, QUESTIONS, AND OPERATIONAL IMPLICATIONS** *1) Jana Houser, 2) Howard B Bluestein* 1) The Ohio State University, 2) The University of Oklahoma

Session	2	**Aula Archeologia**		**Clouds and precipitation physics**
	1	9:20	9:35	**CLOUD DSD DISPERSION AND SENSING THE ONSET OF COLLISION-COALESCENCE AND DRIZZLE FROM REMOTE AND IN-SITU MEASUREMENTS** *1) Jothiram Vivekanandan, 2) Alexander Kostinski, 3) Gwo-Jong Huang* 1) National Center for Atmospheric Research, 2) Michigan Technological University, 3) Colorado State university
	2	9:35	9:50	**DROPLETS SIZE COMPARISON FROM DIFFERENT RETRIEVAL ALGORITHMS: A CASE STUDY AT CLOUDNET GRANADA STATION** *1) Matheus Tolentino, 2) Maria José Granados-Muñoz, 3) Francisco Navas-Guzmán, 4) Juan Luíz Guerrero-Rascado, 5) Lucas Alados-Arboleda, 6) Juan Antonio Bravo-Aranda* 1) Department of Applied Physics, University of Granada - Andalusian Institute for Earth System Research - , 2) Department of Applied Physics, University of Granada - Andalusian Institute for Earth System Research - , 3) Department of Applied Physics, University of Granada - Andalusian Institute for Earth System Research - , 4) Department of Applied Physics, University of Granada - Andalusian Institute for Earth System Research - , 5) Department of Applied Physics, University of Granada - Andalusian Institute for Earth System Research - , 6) Department of Applied Physics, University of Granada - Andalusian Institute for Earth System Research -
	3	9:50	10:05	**DECODING CLOUD MICROPHYSICS: A STUDY USING THE INNOVATIVE PROCESS-ORIENTED VERTICAL PROFILE (POVP) TECHNIQUE WITH WSR-88D RADAR OBSERVATIONS** *1) Jiaxi Hu, 2) Pengfei Zhang, 3) Ryzhkov Alexander* 1) Cooperative Institute for Severe aHigh-Impact Weather Research and Operations, University of Oklahoma, Norman, OK 73072, USA - NOAA/OAR National Severe Storms Laboratory, Norman, OK 73072, USA - , 2) Cooperative Institute for Severe aHigh-Impact Weather Research and Operations, University of Oklahoma, Norman, OK 73072, USA - NOAA/OAR National Severe Storms Laboratory, Norman, OK 73072, USA - , 3) Cooperative Institute for Severe aHigh-Impact Weather Research and Operations, University of Oklahoma, Norman, OK 73072, USA - NOAA/OAR National Severe Storms Laboratory, Norman, OK 73072, USA -
	4	10:05	10:20	**PREDICTING RIMING FROM DOPPLER CLOUD RADAR OBSERVATIONS USING ARTIFICIAL NEURAL NETWORK** *1) Teresa Vogl, 2) Maximilian Maahn, 3) Stefan Kneifel, 4) Willi Schimmel, 5) Dmitri Moisseev, 6) Heike Kalesse-Los* 1) Leipzig University, Leipzig, Germany, 2) Leipzig University, Leipzig, Germany, 3) Ludwig Maximilians Universität, Munich, Germany , 4) Leibniz Institute for Tropospheric Research, Leipzig, Germany, 5) Finnish Meteorological Institute, Helsinki, Finland, 6) Leipzig University, Leipzig, Germany
	5	10:20	10:35	**MICRO RAIN RADAR BASED ANALYSIS OF RAINFALL EVAPORATION EFFECTS DURING THE LIAISE FIELD CAMPAIGN** *1) Joan Bech, 2) Albert Garcia-Benadi, 3) Mireia Udina, 4) Francesc Polls, 5) Eric Peinó, 6) Alexandre Paci, 7) Brice Boudevillain* 1) Dept. Applied physics - Meteorology, Universitat de Barcelona, Barcelona, Spain - Water Research Institute, Universitat de Barcelona, Barcelona, Spain - , 2) UTG Campus de Vilanova i la Geltrú, Universitat Politècnica de Catalunya, Spain, 3) Dept. Applied physics - Meteorology, Universitat de Barcelona, Barcelona, Spain, 4) Dept. Applied physics - Meteorology, Universitat de Barcelona, Barcelona, Spain, 5) Dept. Applied physics - Meteorology, Universitat de Barcelona, Barcelona, Spain, 6) CNRM, Université de Toulouse, Météo-France, CNRS, Toulouse, France, 7) Université Grenoble Alpes, CNRS, IRD, Grenoble-INP, Grenoble, France
	6	10:35	10:50	**UTILIZING RADAR OBSERVATIONS TO AUTOMATE CLASSIFICATION OF BOUNDARY LAYER ORGANIZATIONAL MODE USING CONVOLUTIONAL NEURAL** *1) Hyeri Kim, 2) David Bodine* 1) Advanced Radar Research Center - University of Oklahoma - , 2) Advanced Radar Research Center - University of Oklahoma -