Day 1	Monday, September 9, 2024			
Opening Cerimony				
Aula Magna 8:45 9:35	**Welcome speeches** - **Prof. Antonella Polimeni,** Rector Sapienza University of Rome (video) - **Prof. Marco Schaerf,** Dean Faculty of Infromation Egineering, Informatics and Statistics - **Prof. Massimo Panella,** Head Department of Information Engineering, Electronics and Telecommunications, Sapienza University of Rome - **Prof. Francesco Napolitano,** Head of Department of Civil, Building and Environmental Engineering and Vice Rector Sapienza University of Rome - **Dr. Stefania Argentini** on behalf of **Maria Cristina Facchini,** director of the Institute of Atmospheric Sciences of National Research Council of Italy - **Dr. Giulio Fancello,** Head of National Center for Hydrometeorological Forecasting and Risk Assessment, Department of Civil Protection of the Presidency of the Council of Ministers of Italy, Rome **ERAD 2024 Housekeeping rules** - Elisa Adirosi, Alessandro Bracci			
Keynote	9:35 10:05	**Keynote: WMO GUIDE TO OPERATIONAL WEATHER RADAR BEST PRACTICES – FIRST EDITION** **Keynote Speaker: DANIEL MICHELSON** *1) Daniel Michelson*, 2) Mark Curtis, 3) Tom Kane, 4) Hiroshi Yamauchi, 5) Thomas Einfalt, 6) Martin Hagen, 7) Michael Istok, 8) Richard Lorandel, 9) Donald Rinderknecht, 10) Benjamin Rohrdantz, 11) Pekka Rossi, 12) Annakaisa von Lerber* 1) Environment and Climate Change Canada , 2) Bureau of Meteorology , 3) Bureau of Meteorology , 4) Japan Meteorological Agency , 5) hydro & meteo GmbH , 6) German Aerospace Center , 7) National Oceanographic and Atmospheric Administration , 8) Meteo France , 9) National Oceanographic and Atmospheric Administration , 10) German Weather Service , 11) World Meteorological Organization , 12) Finnish Meteorological Institute	*Abstract ID: 228*	
Session 1	**Aula Magna**	**Radar hydrometeorological applications I Nowcasting** **Chair: Urs Germann**		
1	10:05 10:20	**USING RADAR PRECIPITATION FOR IMPACT-BASED SITE-SPECIFIC EARLY WARNINGS** *1) Daniel Sempere-Torres*, 2) Erika Meléndez-Landaverde, 3) Marc Berenguer* 1) Centre of Applied Research in Hydrometeorology - Universitat Politècnica de Catalunya - , 2) Centre of Applied Research in Hydrometeorology - Universitat Politècnica de Catalunya - , 3) Centre of Applied Research in Hydrometeorology - Universitat Politècnica de Catalunya -	*Abstract ID: 344* -	
2	10:20 10:35	**NOWCASTING EXTREME PRECIPITATION EVENTS: EVALUATING THE EFFECTIVENESS OF GENERATIVE DEEP LEARNING APPROACHES** *1) Gabriele Franch*, 2) Elena Tomasi, 3) Rishabh Wanjari, 4) Marco Cristoforetti* 1) Fondazione Bruno Kessler, 2) Fondazione Bruno Kessler, 3) Fondazione Bruno Kessler, 4) Fondazione Bruno Kessler	*Abstract ID: 380* -	
3	10:35 10:50	**CELL TRACKING -BASED FRAMEWORK FOR ESTIMATION OF NOWCASTING MODEL SKILL FOR REPRODUCING GROWTH AND DECAY OF CONVECTIVE RAINFALL** *1) Jenna Ritvanen*, 2) Seppo Pulkkinen, 3) Dmitri Moisseev, 4) Daniele Nerini* 1) Finnish Meteorological Institute, Helsinki, Finland - Institute for Atmospheric and Earth System Research, Faculty of Science, University of Helsinki, Helsinki, Finland - , 2) Finnish Meteorological Institute, Helsinki, Finland, 3) Institute for Atmospheric and Earth System Research, Faculty of Science, University of Helsinki, Helsinki, Finland - Finnish Meteorological Institute, Helsinki, Finland - , 4) Federal Office of Meteorology and Climatology MeteoSwiss, Locarno-Monti, Switzerland	*Abstract ID: 25* **Award candidate**	
Keynote	11:20 11:50	**Keynote: RAINFALL PROCESSES AND ESTIMATION IN COMPLEX TERRAIN: APPLICATION TO THE SAN FRANCISCO BAY AREA** **Keynote Speaker: V. CHANDRASEKAR** *1) V. Chandrasekar, 2) Renzo Bechini, 3) Sounak Biswas, 4) Rob Cifelli* 1) Colorado State University , 2) Arpa Piemonte - Colorado State University - , 3) Colorado State University , 4) NOAA	*Abstract ID: 262*	
Session 2	**Aula Magna**	**Clouds and precipitation physics I Extremes** **Chairs: Aurora Bell and Renzo Bechini**		
1	11:50 12:05	**ON THE ESTIMATION OF CONVECTIVE UPDRAFT VELOCITIES USING GOES IR COOLING RATES AND MULTI-DOPPLER RADAR TECHNIQUES: LESSONS LEARNT FROM THE ESCAPE AND TRACER FIELD CAMPAIGNS** *1) Aida Galfione*, 2) Alessandro Battaglia, 3) Pavlos Kollias, 4) Mariko Oue* 1) Department of Environment, Land and Infrastructure Engineering, Polytechnic of Turin, Turin, Italy, 2) Department of Environment, Land and Infrastructure Engineering, Polytechnic of Turin, Turin, Italy, 3) Stony Brook University, Stony Brook NY, USA, 4) Stony Brook University, Stony Brook NY, USA	*Abstract ID: 133* -	
2	12:05 12:20	**ARE "IMMENSE" SUPERCELL UPDRAFT CORES A SUFFICIENT CONDITION FOR TORNADOGENESIS?** *1) Michael French*, 2) Darrel Kingfield* 1) Stony Brook University, 2) NOAA/Global Systems Laboratory	*Abstract ID: 353* -	
3	12:20 12:35	**ELECTRICAL ALIGNMENT SIGNATURES OBSERVED IN AN ISOLATED THUNDERSTORM BY MULTI-PARAMETER DUAL-POLARIZED PHASED ARRAY WEATHER RADAR(MP-PAWR)** *1) Shuo Wang*, 2) Yuuki Wada, 3) Syugo Hayashi, 4) Tomoo Ushio, 5) Venkatachalam Chandrasekar* 1) Osaka university, 2) Osaka university, 3) Japan Meteorological Agency, 4) Osaka university, 5) Colorado State University	*Abstract ID: 288* -	

5	12:50	13:05	**OBSERVATION OF FLOW STRUCTURE IN A THUNDERSTORM BY SHIP RADAR** *1) Koji Sassa*, 2) Akane Higashikawa* 1) Kochi University, 2) Kochi University	*Abstract ID: 310* -

Session 3 — Aula Magna

Radar hydrometeorological applications II Nowcasting

Chairs: Clotilde Augros and Ulrich Blahack

1	14:15	14:30	**ASSESSMENT OF HYDROLOGICAL PERFORMANCE FOR TWO SHORT-TERM RAINFALL FORECASTING APPROACHES AIMED AT FLOOD PREDICTION** *1) Maria Laura Poletti*, 2) Martina Lagasio, 3) Francesco Silvestro, 4) Antonio Parodi, 5) Massimo Milelli, 6) Lorenzo Campo, 7) Marco Falzacappa, 8) Stefano Federico* 1) CIMA Research Foundation, 2) CIMA Research Foundation, 3) CIMA Research Foundation, 4) CIMA Research Foundation, 5) CIMA Research Foundation, 6) CIMA Research Foundation, 7) Department of Civil Protection of Italy Presidency of the Council of Ministers, 8) CNR-Institute of Atmospheric Sciences and Climate	*Abstract ID: 16* -
2	14:30	14:45	**NOWPRECIP VERSION 2: NEW TECHNIQUES FOR AREAL PRECIPITATION NOWCASTING IN THE COMPLEX TERRAIN OF SWITZERLAND** *1) Ioannis Sideris*, 2) Athanasios Ntoumos, 3) Marco Boscacci, 4) Lorenzo Clementi, 5) Urs Germann* 1) MeteoSwiss, 2) MeteoSwiss - Environmental Remote Sensing Laboratory, EPFL, Lausanne, Switzerland - , 3) MeteoSwiss, 4) MeteoSwiss, 5) MeteoSwiss	*Abstract ID: 196* -
3	14:45	15:00	**UTILIZATION OF VERTICAL PROFILE FEATURES FOR PRECIPITATION NOWCASTING** *1) Seppo Pulkkinen*, 2) V. Chandrasekar* 1) Finnish Meteorological Institute, 2) Colorado State University	*Abstract ID: 112* -
4	15:00	15:15	**COMBINING TITAN AND LSTM SCHEMES TO DEVELOP A NEW RADAR NOWCASTING TOOL TO PREDICT FLASH FLOODS** *1) Andrea Viteri*, 2) Carlos Morales* 1) University of Sao Paulo, 2) University of Sao Paulo	*Abstract ID: 181* -
5	15:15	15:30	**HYDROLOGICAL MODELING OF PROBABILISTIC RAINFALL FORECASTS FOR IMPACT-BASED FLOOD WARNING SYSTEM** *1) Daniel Eduardo Villarreal-Jaime*, 2) Patrick Willems, 3) Lesley De Cruz, 4) Ricardo Reinoso-Rondinel* 1) Hydraulic and Geotechnics Unit, KU Leuven, Belgium - Royal Meteorological Institute of Belgium, Belgium - , 2) Hydraulic and Geotechnics Unit, KU Leuven, Belgium, 3) Royal Meteorological Institute of Belgium, Belgium - Electronics and Informatics Department, Vrije Universiteit Brussel, Belgium - , 4) Hydraulic and Geotechnics Unit, KU Leuven, Belgium - Royal Meteorological Institute of Belgium, Belgium -	*Abstract ID: 9* -
6	15:30	15:45	**UNLEASHING THE POTENTIAL OF CONVOLUTIONAL AND RECURRENT NEURAL NETWORKS AS A POWERFUL TOOL FOR RADAR ECHOES EXTRAPOLATION** *1) Avijit Majhi*, 2) Stefano Farris, 3) Alessandro Seoni, 4) Muhammad Shafeeq Ul Rehman Khan, 5) Maria Grazia Badas, 6) Marino Marrocu, 7) Francesco Viola, 8) Roberto Deidda* 1) Università degli Studi di Cagliari, Department of Civil- Environmental Engineering and Architecture, Cagliari, Italy, 2) Università degli Studi di Cagliari, Department of Civil- Environmental Engineering and Architecture, Cagliari, Italy, 3) Università degli Studi di Cagliari, Department of Civil- Environmental Engineering and Architecture, Cagliari, Italy, 4) Università degli Studi di Cagliari, Department of Civil- Environmental Engineering and Architecture, Cagliari, Italy, 5) Università degli Studi di Cagliari, Department of Civil- Environmental Engineering and Architecture, Cagliari, Italy, 6) CRS4, Center for Advanced Studies, Research and Development in Sardinia, Pula, Italy, 7) Università degli Studi di Cagliari, Department of Civil- Environmental Engineering and Architecture, Cagliari, Italy, 8) Università degli Studi di Cagliari, Department of Civil- Environmental Engineering and Architecture, Cagliari, Italy	*Abstract ID: 214* **Award candidate**
7	15:45	16:00	**LEVERAGING DEEP LEARNING FOR SEAMLESS RAINFALL AND FLOOD PREDICTION IN BELGIUM** *1) Simon De Kock*, 2) Lesley De Cruz, 3) Michiel Van Ginderachter, 4) Arthur Moraux* 1) Electronics and Informatics (ETRO), Vrije Universiteit Brussel, Brussels, Belgium, 2) Royal Meteorological Institute, Brussels, Belgium - Electronics and Informatics (ETRO), Vrije Universiteit Brussel, Brussels, Belgium - , 3) Royal Meteorological Institute, Brussels, Belgium, 4) Royal Meteorological Institute, Brussels, Belgium - Electronics and Informatics (ETRO), Vrije Universiteit Brussel, Brussels, Belgium -	*Abstract ID: 126* **Award candidate**

	8	16:00	16:15	**ENHANCING FLOOD PREDICTION USING X-BAND POLARIMETRIC RADAR DATA: TWO CASE STUDIES IN THE MARCHE REGION, ITALY** *1) Francesco Iocca*, 2) Annalina Lombardi, 3) Francesca Sini, 4) Gabriella Speranza, 5) Valentino Giordano, 6) Saverio Di Fabio, 7) Lorenzo Giorgio Didimi, 8) Marco Lazzeri, 9) Marco Tedeschini, 10) Marco Pellegrini, 11) Barbara Tomassetti* 1) Functional Centre, Marche Region Civil Protection Service, 60126 Ancona, Italy, 2) Department of Physical and Chemical Sciences (DSFC) University of L'Aquila - Center of Excellence Telesensing of Environment and Model Prediction of Severe Events (CETEMPS), 67100 L'Aquila, Italy - , 3) Functional Centre, Marche Region Civil Protection Service, 60126 Ancona, Italy, 4) Functional Centre, Marche Region Civil Protection Service, 60126 Ancona, Italy, 5) Functional Centre, Marche Region Civil Protection Service, 60126 Ancona, Italy, 6) Center of Excellence Telesensing of Environment and Model Prediction of Severe Events (CETEMPS), 67100 L'Aquila, Italy, 7) Functional Centre, Marche Region Civil Protection Service, 60126 Ancona, Italy, 8) Functional Centre, Marche Region Civil Protection Service, 60126 Ancona, Italy, 9) Functional Centre, Marche Region Civil Protection Service, 60126 Ancona, Italy, 10) Functional Centre, Marche Region Civil Protection Service, 60126 Ancona, Italy - Department of Life and Environmental Sciences (DISVA), Università Politecnica delle Marche, 60131 Ancona, Italy - LIF Srl, 50018 Scandicci (Firenze), Italy, 11) Center of Excellence Telesensing of Environment and Model Prediction of Severe Events (CETEMPS), 67100 L'Aquila, Italy	*Abstract ID: 220* -
Session 4		**Aula Archeologia**		**Clouds and precipitation physics II Polarimetry** **Chairs: Jana Popova and Christine Unal**	
	1	14:15	14:30	**CLOUD RADAR DEPOLARIZATION SIGNATURES OF SNOWFLAKES** *1) Dmitri Moisseev*, 2) Maximilian Maahn, 3) Annakaisa von Lerber* Institute, Helsinki, Finland - , 2) Leipzig Institute for Meteorology, Leipzig University, Leipzig, Germany - Finnish Meteorological Institute, Helsinki, Finland - , 3) Finnish Meteorological Institute, Helsinki, Finland	*Abstract ID: 338* -
	2	14:30	14:45	**ESTIMATING AGGREGATION EFFICIENCIES USING POLARIMETRIC RADARS** *1) Edwin Dunnavan*, 2) Alexander Ryzhkov, 3) Jiaxi Hu* 1) Cooperative Insitute for Severe and High-Impact Weather Research and Operations, Norman, OK, USA - National Severe Storms Laboratory, Norman, OK, USA - The University of Oklahoma, Norman, OK, USA, 2) Cooperative Insitute for Severe and High-Impact Weather Research and Operations, Norman, OK, USA - National Severe Storms Laboratory, Norman, OK, USA - The University of Oklahoma, Norman, OK, USA, 3) Cooperative Insitute for Severe and High-Impact Weather Research and Operations, Norman, OK, USA - National Severe Storms Laboratory, Norman, OK, USA - The University of Oklahoma, Norman, OK, USA	*Abstract ID: 85* **Online**
	3	14:45	15:00	**PEERING INTO THE HEART OF THUNDERSTORM CLOUDS: INSIGHTS FROM CLOUD RADAR AND SPECTRAL POLARIMETRY** *1) Ho Yi Lydia Mak, 2) Christine Unal** 1) Delft University of Technology - Faculty CEG, 2) Delft University of Technology - Faculty CEG - Delft University of Technology - Climate Institute -	*Abstract ID: 83* -
	4	15:00	15:15	**INVESTIGATING ICE MICROPHYSICAL PROCESSES IN THE DENDRITIC GROWTH LAYER BY COMBINING POLARIMETRIC CLOUD RADAR OBSERVATIONS WITH MONTE-CARLO PARTICLE MODELING** *1) Leonie von Terzi*, 2) Christoph Siewert, 3) Axel Seifert, 4) Stefan Kneifel* 1) Meteorological Institute, Ludwig-Maximillians University Munich, 2) Deutscher Wetterdienst, 3) Deutscher Wetterdienst, 4) Meteorological Institute, Ludwig-Maximillians University Munich	*Abstract ID: 242* -
	5	15:15	15:30	**POSITIVE AND NEGATIVE SCATTERING DIFFERENTIAL PHASE: OBSERVATIONS AND UTILIZATION IN MICROPHYSICAL RETRIEVALS.** *1) Valery Melnikov,* 2) Dusan Zrnic, 3) Arthur Witt* 1) Oklahoma University - National Severe Storms Laboratory - , 2) National Severe Storms Laboratory, 3) National Severe Storms Laboratory	*Abstract ID: 23* -
	6	15:30	15:45	**A NEW ALGORITHM FOR DISCRIMINATING AGGREGATION AND RIMING BASED ON POLARIMETRIC WEATHER RADARS** *1) Armin Blanke*, 2) Mathias Gergely, 3) Silke Trömel* 1) Institute of Geosciences, Department of Meteorology, University of Bonn, Bonn, 53121, Germany, 2) German Meteorological Service (Deutscher Wetterdienst, DWD), Observatorium Hohenpeißenberg, Hohenpeißenberg, 82383, Germany, 3) Institute of Geosciences, Department of Meteorology, University of Bonn, Bonn, 53121, Germany - Laboratory for Clouds and Precipitation Exploration, Geoverbund ABC/J, Bonn, 53121, Germany -	*Abstract ID: 120* -
	7	15:45	16:00	**INVESTIGATING THE ORIGIN OF W-BAND RADAR KDP SIGNATURES INSIDE AND BELOW THE DENDRITIC GROWTH LAYER** *1) Anton Kötsche*, 2) Alexander Myagkov, 3) Maximilian Maahn, 4) Veronika Ettrichrätz, 5) Alexander Ryzhkov, 6) Petar Bukovcic, 7) Leonie von Terzie, 8) Stefan Kneifel, 9) Heike Kalesse-Los* 1) Leipzig Institute for Meteorology, University of Leipzig, Germany, 2) RPG Radiometer Physics GmbH, Germany , 3) Leipzig Institute for Meteorology, University of Leipzig, Germany, 4) Leipzig Institute for Meteorology, University of Leipzig, Germany, 5) NSSL, Norman, OK, USA, 6) NSSL, Norman, OK, USA, 7) Meteorological Institute, Ludwig-Maximilians-Universität in Munich, Munich, Germany, 8) Meteorological Institute, Ludwig-Maximilians-Universität in Munich, Munich, Germany, 9) Leipzig Institute for Meteorology, University of Leipzig, Germany	*Abstract ID: 168* **Online**
	8	16:00	16:15	**INVESTIGATION OF THE DUAL-POLARIZATION RADAR BRIGHT BAND SIGNATURES USING MELTING MODEL PROFILE IN NORTHERN TAIWAN** *1) Jui Le Loh*, 2) Wei Yu Chang, 3) Bo An Tsai, 4) Yu Chieng Liou, 5) Pao Liang Chang, 6) Pin Fang Lin* 1) Department of Atmospheric Sciences, National Central University, Taiwan, 2) Department of Atmospheric Sciences, National Central University, Taiwan, 3) Department of Atmospheric Sciences, National Central University, Taiwan, 4) Department of Atmospheric Sciences, National Central University, Taiwan, 5) Central Weather Bureau, Taipei, Taiwan, 6) Central Weather Bureau, Taipei, Taiwan	*Abstract ID: 93* -

Session 5	**Aula Magna**		**Radar hydrometeorological applications III Extremes** **Chairs: Karen Kosiba and Anna Fornasiero**		
	1	16:45	17:00	**EXTREME EVENT EVALUATION OF RADAR-DERIVED POLARIMETRIC PRECIPITATION ESTIMATES USING A DENSE NETWORK OF RAIN GAUGES** *1) Bong-Chul Seo*, 2) Witold Krajewski* 1) Missouri University of Science and Technolgy, 2) University of Iowa	*Abstract ID: 233*
	2	17:00	17:15	**CONVECTIVE RAINFALL INTENSIFICATION AND CHANGING SPATIAL PATTERNS IN URBAN AREAS** *1) Herminia Torelló-Sentelles*, 2) Francesco Marra, 3) Marika Koukoula, 4) Gabriele Villarini, 5) Nadav Peleg* 1) Institute of Earth Surface Dynamics, University of Lausanne, Lausanne, Switzerland, 2) Department of Geosciences, University of Padova, Padova, Italy, 3) Institute of Earth Surface Dynamics, University of Lausanne, Lausanne, Switzerland, 4) Department of Civil and Environmental Engineering, Princeton University, Princeton, USA - High Meadows Environmental Institute, Princeton University, Princeton, USA - , 5) Institute of Earth Surface Dynamics, University of Lausanne, Lausanne, Switzerland	*Abstract ID: 279* **Online**
	3	17:15	17:30	**EXPLORING THE USE OF LIGHTNING CHARACTERISTICS TO IMPROVE THE RADAR-BASED DETECTION OF HAILSTORM SEVERITY** *1) Federico Vermi*, 2) Vincenzo Capozzi, 3) Giulio Monte, 4) Giorgio Budillon, 5) Sante Laviola* 1) Department of Science and Technology, University of Naples "Parthenope", Centro Direzionale di Napoli, Isola C4, 80143, Italy - National Research Council, Institute of Atmospheric Science and Climate, via Gobetti 101, 40129 Bologna, Italy - , 2) Department of Science and Technology, University of Naples "Parthenope", Centro Direzionale di Napoli, Isola C4, 80143, Italy, 3) National Research Council, Institute of Atmospheric Science and Climate, via Gobetti 101, 40129 Bologna, Italy, 4) Department of Science and Technology, University of Naples "Parthenope", Centro Direzionale di Napoli, Isola C4, 80143, Italy, 5) National Research Council, Institute of Atmospheric Science and Climate, via Gobetti 101, 40129 Bologna, Italy	*Abstract ID: 311*
	4	17:30	17:45	**DETECTION OF HAIL WITH A MACHINE LEARNING ALGORITHMS BASED ON WEATHER RADAR DATA** *1) Agnieszka Kurcz*, 2) Anna Jurczyk, 3) Jan Szturc* 1) Institute of Meteorology and Water Management - National Research Institute, 2) Institute of Meteorology and Water Management - National Research Institute, 3) Institute of Meteorology and Water Management - National Research Institute	*Abstract ID: 82*
	5	17:45	18:00	**UNCERTAINTY ESTIMATION FOR CONVECTIVE CELL NOWCASTING: A KALMAN-FILTER IMPLEMENTATION OF ENHANCED TITAN** *1) Li-Pen Wang, 2) Andrew McNaughton*, 3) Yuting Chen, 4) Robert Scovell, 5) Duncan Wright, 6) Carlos Munoz Lopez, 7) Christian Onof, 8) Claire Bartholemew, 9) Katie Norman, 10) Susana Ochoa-Rodriguez* 1) National Taiwan University, Taiwan - RainPlusPlus Ltd., UK - , 2) Met Office, UK, 3) Imperial College London, UK, 4) Met Office, UK, 5) Met Office, UK, 6) Ku Leuven, Belgium, 7) Imperial College London, UK, 8) Met Office, UK, 9) Met Office, UK, 10) RainPlusPlus Ltd., UK	*Abstract ID: 170*
Session 6	**Aula Archeologia**		**Clouds and precipitation physics III Doppler** **Chairs: Leonie Von Terzi and Vincenzo Capozzi**		
	1	16:45	17:00	**ANALYSIS OF RADAR DOPPLER SPECTRA OBSERVED BY AN AIRBORNE CLOUD RADAR** *1) Ulrike Romatschke* 1) NSF National Center for Atmospheric Research	*Abstract ID: 152* **Online**
	2	17:00	17:15	**VERTICAL WIND AND DROP SIZE DISTRIBUTION RETRIEVAL WITH A G-BAND DOPPLER RADAR** *1) Nitika Yurk*, 2) Matthew Lebsock, 3) Juan Socuellamos, 4) Raquel Monje, 5) Ken Cooper* 1) Jet Propulsion Laboratory, 2) Jet Propulsion Laboratory, 3) Jet Propulsion Laboratory, 4) Jet Propulsion Laboratory, 5) Jet Propulsion Laboratory	*Abstract ID: 142*
	3	17:15	17:30	**ADVANCED CLOUD DETECTION AND VELOCITY UNFOLDING TECHNIQUES FOR 94-GHZ CLOUD RADAR** *1) Shaik Allabakash*, 2) Hajime Okamoto, 3) Kaori Sato, 4) Hiroaki Horie, 5) Ohno Yuichi, 6) Iwai Hironori, 7) Masayuki Yamamoto* 1) Research Institute for Applied Mechanics, Kyushu University, Fukuoka, Japan, 2) Research Institute for Applied Mechanics, Kyushu University, Fukuoka, Japan, 3) Research Institute for Applied Mechanics, Kyushu University, Fukuoka, Japan, 4) National Institute of Information and Communications Technology (NICT), Japan, 5) National Institute of Information and Communications Technology (NICT), Japan, 6) National Institute of Information and Communications Technology (NICT), Japan, 7) National Institute of Information and Communications Technology (NICT), Japan	*Abstract ID: 296* **Online**
	4	17:30	17:45	**GENERATING A MULTI-DOPPLER RADAR 3D WIND COMPOSITE FOR THE WESCON-WOEST CAMPAIGN IN SOUTHERN ENGLAND** *1) Robert Thompson*, 2) Thorwald Stein, 3) Ryan Neely III, 4) Lindsay Bennett* 1) University of Reading, 2) University of Reading, 3) National Centre for Atmospheric Science - University of Leeds - , 4) National Centre for Atmospheric Science - University of Leeds -	*Abstract ID: 54*
	5	17:45	18:00	**CONVECTION IN THE VICINITY OF THE BLACK FOREST** *1) Melissa Latt*, 2) Philipp Gasch, 3) Jan Handwerker* 1) Karlsruhe Institute of Technology (KIT), Institute of Meteorology and Climate Research (IMKTRO), Karlsruhe, Germany, 2) Karlsruhe Institute of Technology (KIT), Institute of Meteorology and Climate Research (IMKTRO), Karlsruhe, Germany, 3) Karlsruhe Institute of Technology (KIT), Institute of Meteorology and Climate Research (IMKTRO), Karlsruhe, Germany	*Abstract ID: 73* **Award candidate**