



WMO AERONAUTICAL
METEOROLOGY SCIENTIFIC
CONFERENCE

*6 to 10 November 2017, Centre International de
Conférences, Météo-France, Toulouse, France*



PROVISIONAL PROGRAMME FOR POSTERS

All times Central European Time (UTC + 1 hour)

Last updated: 27 October 2017

AIRBUS

THALES





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POSTER SESSION #1

MONDAY 6 NOVEMBER 2017

(1730-1900)

Poster No.	Presentation	Presenter/Leading author	Co-authors
<i>Posters relating to Session 1</i>			
A01	Aeronautical Meteorological Observations, Forecasts, Advisories and Warnings	Mr Dashti ABDULKARIM	—
A02	Analysis of Clear Air Turbulence Events in Indonesia (Period of 2007-2016)	Mr Bagas Ega AMIRUL HAQ	—
A03	Ice Rain Forecasting Based on Measurement Data from MTP-5 Temperature Profiler	Dr Nikolay BARANOV	Evgeny MILLER
A04	Mountain waves as hazard for high-flying aircraft? - A Case Study	Ms Martina BRAMBERGER	Andreas DÖRNBRACK, Steffen GEMSA, Kevin RAYNOR, Robert D. SHARMAN, Henrike WILMS, Markus RAPP
A05	Forecast of snowstorms	Dr Viktoria BYCHKOVA	K.G. RUBINSTEIN
A06	Improving the forecast of aircraft icing conditions	Ms Marie CASSAS	Sébastien RIETTE, Benoît VIE, Christine LAC



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A07	An Overview of High Altitude Ice Crystals (HAIC) Satellite and Nowcasting Activities	Dr Eric DEFER	A. CALMELS, J. De LAAT, J. DELANOË, F. DEZITTER, A. GOUNOU, F. HUET, C. Le BOT, J. F. MEIRINK, J-M. MOISSELIN, R. NOHRA, F. PAROL, A. PROTAT, P. RIEU, S. TURNER, and C. VANBAUCE
A08	Low orbiting space-borne high IWC retrievals in the framework of the European HAIC project: from case studies to regional and seasonal distribution	Dr Eric DEFER	J. DELANOË, R. NOHRA, F. PAROL, A. PROTAT, C. VANBAUCE
A09	Diagnosis of turbulence associated with convection as part of the Graphical Turbulence Guidance product	Mrs Wiebke DEIERLING	R. SHARMAN, E. DEFER, J. PEARSON, G. MEYMARIS
A10	Aviation, weather, and climate: scientific research and development for aeronautical metrological service is changing the atmospheric environment.	Mrs Parandhaman DURAIRAJ	
A11	Aircraft measurements of Saharan mineral dust events over Germany – preparation for airborne volcanic ash measurements	Mrs Dörthe EBERT	V. BACHMANN, A. DIEHL, C. FISCHER, H. FLENTJE, J. FÖRSTNER, I. MATTIS, G. MÜLLER, S. MÜLLER, T. POHL, D. SCHELL, A. STEINER, W. THOMAS, F. WAGNER, K. WEBER, T. STEINKOPFF



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Poster No.	Presentation	Presenter/Leading author	Co-authors
A12	Routine operation of the DLR volcanic ash algorithm VADUGS within the German Weather Service facilities: Outcome of the project LuFo TeFiS	Dr Kaspar GRAF	Richard MÜLLER, Margarita VAZQUEZ-NAVARRO, Marius SCHMIDL, Björn-Rüdiger BECKMANN
A13	European surface based remote sensing capability for aviation hazards	Dr Alexander HAEFELE	Lucia MONA, Nikos PAPAGIANNPOULOS, Rolf RÜFENACHT, Mauro COLTELLI, Nicolas THEYS, Arnoud APITULEY, Heikki LIHAVAINEN, Hirtl MARCUS, Andy DELCLOO, Gelsomina PAPALARDO, Gerhard WOTAWA
A14	NowCastSAT-Aviation: Thunderstorm nowcasting for the en-route flight phase	Dr Stephane HAUSSLER	Richard MÜLLER, Matthias JERG
A15	The E-PROFILE network of automatic lidars and ceilometers for cloud and aerosol/ash profiling	Dr Maxime HERVO	Alexander HAEFELE, Myles TURP, Martial HAEFFELIN, Marc-Antoine DROUIN, Emma HOPKIN, Simone KOTTHAUS, Ina MATTIS, Frank WAGNER, Matthias WIEGNER, Werner THOMAS, Jean-Luc LAMPIN, Christoph MÜNDEL, Holger WILLE
A16	Toward a machine learning based ceiling forecast diagnosis for TAF initialization (IniTAF project)	Ms Pauline JAUNET	Agathe DROUIN, Pierre CRISPEL, Alexia AUDEVART, Thierry KRANITZ, Carole DELIN
A17	Impact Analysis of Thunderstorms/Dust storms/Intense rain spells and associated	Dr Rajendra Kumar JENAMANI	



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Poster No.	Presentation	Presenter/Leading author	Co-authors
	winds on India's Aviation sectors 2008-2017, their Meso-Features and its real time Early Warning System and Gap areas		
A18	Forecasting the severe weather: A deep learning approach	Mr Kanghui ZHOU	
A19	Characterization of the Different Wind-Shear Mechanisms Impacting the Nice Airport Approaches	Mr Jean-Luc LAMPIN	Eric SCHWARTZ, Florence BESSON
A20	What's Happening with the Feasibility Study toward a WMO Intercomparison of Volcanic Ash Observation Tools	Mr Jean-Luc LAMPIN	Philippe KECKHUT, Florence BESSON
A21	Airport Low-Level Wind Shear Detection Technology Based on LIDAR Wind Profilers	Ms Ekaterina LEMISCHENKO	Nikolay BARANOV
A22	Study of pre-monsoon and post-monsoon thunderstorms over a south western tropical Indian station for aeronautical advisories	Dr V.K. MINI	A.U.RAMESAN, N.T NIYAS, S.SUDEVAN, Arun KUMAR
A23	Monitoring of Weather Extremes from INSAT-3D/3DR satellites over the Indian region and future aspects for aeronautical meteorology	Mr Ashim MITRA	S.K PESHIN
A24	Study of clear air turbulence in Indonesia	Mr Muhammad Arif MUNANDAR	Hari Tri WIBOWO



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Poster No.	Presentation	Presenter/Leading author	Co-authors
A25	A new method to forecast aircraft icing from high-resolution NWP	Mr Esbjörn OLSSON	
A26	WRF-EMS Aviation Products. A case-study of an extreme rainfall event flooding Tunis-Carthage airport	Dr Ammar OUALI	
A27	A multi-model system to estimate volcanic, aerosols and nuclear hazards to aviation (EUNADICS-AV)	Mr Matthieu PLU	D. ARNOLD, R. BARO, A. CARVALHO, L. EL AMRAOUI , M. HIRTL, L. ROBERTSON, B. SIC, M. SOFIEV, A. UPPSTU, G. WOTAWA
A28	The use of on-board in situ energy dissipation rate (EDR) estimates in improving situational aware and in verifying turbulence forecasts	Dr Robert SHARMAN	Julia PEARSON, Greg MEYMARIS, Larry CORNMAN, Tammy FARRAR
A29	Develop of numerical forecast methods of visibility for detection of fog	Mr Grigory ZAROCHEVSEV	V.I. BYICHKOVA, R.Y. IGNATOV, K.G. RUBINSTEIN
A30	Wind over airport with complex Terrain	Dr Zhongfeng ZHANG	Junjie WU, Caiyan LIN

Arranged by alphabetic order of the last name of the leading author under Topic Session 1

Max 40 posters



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POSTER SESSION #2

THURSDAY 9 NOVEMBER 2017

(1800-1920)

Poster No.	Presentation	Presenter/Leading author	Co-authors
<i>Posters relating to Session 1</i>			
B01	Potential of polarimetric radar observations for aircraft icing detection?	Mrs Clotilde AUGROS	Mathieu LECOQ, Nicolas GAUSSIAT
B02	Increased Flight Safety and Cost Savings for Airlines through Real Time Thunderstorm Information	Dr Caroline FORSTER (Thomas GERZ)	A. TAFFERNER, D. STICH, M. W. GALLAGHER, A. PETZOLD, P. NEIS, A. LAU, B. LÜHRS
B03	Delhi International Airport- A Decade (2008-2017) of new Developments by IMD in Aviation Weather and Climate Monitoring, analysis and Information Services	Dr Rajendra Kumar JENAMANI	
B04	New Developments in Fog Monitoring and Forecasting System of Delhi Airport (2008-2017) with special emphasis on its eighteen RVR systems, RAPID(INSAT 3-D) based Fog RGB products and utility of new	Dr Rajendra Kumar JENAMANI	Sachin GHUDE



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Poster No.	Presentation	Presenter/Leading author	Co-authors
	dynamic fog models and new Fog campaign data of 2015-2017		
B05	Hazards of bora wind at Dubrovnik Airport	Mr Igor KOS	Jadran JURKOVIC, Zeljko VECENAJ
B06	Wind gusts forecast by numeric weather prediction model	Ms Maria KURBATOVA	Konstantin RUBINSTEIN, Inna GUBENKO
B07	Observation products mixing several sources (radar, satellite based, ground based)	Mrs Gwenaëlle LE BLOA	
B08	Cloud top height and microphysics from meteorological geostationary satellites using EUMETSAT NWCSAF SW	Mr Hervé LE GLEAU	Gaëlle KERDRAON, Sonia PÉREÉ
B09	Towards an increased usage of aeronautical meteorological observations in the convective scale model AROME	Dr Jean-Francois MAHFOUF	Alexis DOERENBECHER, Guillaume GAMELIN, Olivier TRAULLÉ
B10	Climate use by Aeronauts	Mr Jayaseela Rao PARICHERLA	
B11	Improvisation of indigenously developed Current Weather Instrument System for Airport Meteorological Services.	Mr Manish RANALKAR	Rakesh KUMAR
B12	Improving the nowcasting of hazardous weather phenomena by assimilation the lightning-seeking network data	Dr Konstantin RUBINSTEIN	Inna GUBENKO, Sergey AKIMOV, Nikolay BARANOV
B13	Emerging challenges and opportunities in AIRCRAFT OBSERVATIONS AND REPORTS.	Ms Vivek SINHA	



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Poster No.	Presentation	Presenter/Leading author	Co-authors
B14	Nowcasting of Mesoscale Convective System Using Satellite Data	Mr Putchapan SIRISAP	Bipasha Paul SHUKLA
B15	Multi-Point Visibility Measurement System and Accuracy	Mr Hongda TAI	Zibo ZHUANG, Dong song SUN
B16	Performances and benefits of Coherent Doppler LIDARs in aviation weather	Dr Ludovic THOBOIS	Jean Pierre CARIOU
B17	European Natural Disaster Coordination and Information System for Aviation (EUNADICS-AV)	Mr Gerard WOTAWA	Marcus HIRTL, Delia ARNOLD, Susanne KATZLER-FUCHS, Gelsomina PAPPALARDO, Lucia MONA, Mikhail SOFIEV, Gerrit de LEEUW, Nicolas THEYS, Hugues BRENOT, Matthieu PLU, Carl-Herbert ROCKITANSKY, Kurt ESCHBACHER, Arnoud APITULEY, Wim Som de CERFF
B18	Objective forecasting product system for aviation meteorological services in China National Meteorological Center	Mr Bo YANG	Xinhua LIU, Xu MAO, Yinjing LIN, Jie SHENG, Xuewei CAI
Posters relating to Session 2			
B19	Standby mechanism and route for transmission of SIGMET, METAR and TAF for efficient distribution	Ms Sourav ADHIKARY	—
B20	Tracking commercial aircraft based on the detection of micro-discharges with Lightning Mapper Arrays during penetration of electrified convective clouds and ice clouds	Mr Eric DEFER	W. DEIERLING, S. COQUILLAT, P. De GUIBERT, D. LAMBERT, J.-P. PINTY, S. PRIEUR, P. KREHBIEL, W. RISON, R. THOMAS



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Poster No.	Presentation	Presenter/Leading author	Co-authors
B21	Investigating Airport Operations under a Lightning Threat: Balancing Lightning Safety with Operational Efficiency	Mrs Wiebke DEIERLING	Matthias STEINER, Kyoko IKEDA, Alexander KLEIN, Victor KLIMENKO, Randall BASS
B22	European MET Information Exchange	Mrs Stephanie DESBIOS	Project Partners of SESAR Deployment Project 2015_069_AF5
B23	A Novel Approach to Meteorological Warning Systems	Mr Pavel Alam MUNSHI	
B24	The role of satellite imagery in the verification of terminal aerodrome forecasts (TAFs) in the Uganda National Meteorological Authority (UNMA)	Mrs Yusuf NSUBUGA	Margaret Nankya SERWANJA
B25	Meteorological information delivery services definition by EUROCAE WG-76	Mr Boris RESNICK	
B26	Smartening aviation meteorology	Dr Christian SCHIEFER	Andre WEIPERT
B27	TBO-Met (Meteorological Uncertainty Management for Trajectory Based Operations), funded by A SESAR H2020 Exploratory Research Project	Dr Juan SIMARRO GRANDE	Damin RIVAS, Juergen LANG, Carl-Herbert ROKITANSKY, Juan SIMARRO, Manuel SOLER
B28	Forecast and Warning System of Aviation Meteorology on MICAPS	Mrs Surong ZHAO	Yuean LI
Posters relating to Session 3			



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Poster No.	Presentation	Presenter/Leading author	Co-authors
B29	HABOOB impacting air traffic operations: case study of Khartoum international airport	Mr Ammar GABER	HASSAN M. HASSAN ADDOMA, HAITHAM A. M. SALIH
B30	Airframe Icing as an effect of Tropopause level rise and ways to combat with it	Ms Shreya GUHA	
B31	Impact of Fast and Large-scale infrastructural changes in and around Delhi's IGI Airport in 1960-2017 caused high warming trend and Alarming Change in temperature pattern at daily to decadal scale	Dr Rajendra Kumar JENAMANI	
B32	Relating Large-scale Indo-Gangetic dense Fog occurrences across South Asian Airports to Flight diversion/safety for 2008-2017, New safety challenges of ATC-airlines-Airport during LVP, Development and Implementation of new Aviation operational CDM processes, management and regulation	Dr Rajendra Kumar JENAMANI	
B33	Effects of Projected Temperature Change on Aviation in Africa	Dr Joshua NGAINA	Bethwell Kipkoech MUTAI
B34	Spatio-Temporal Analysis of Heavy Rainfall (HRF) Events in a Changing Atmospheric Environment over Some Cities in Nigeria	Mr Ikenna ORISAKWE	Ugochukwu O. EZEDIGBOH



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Poster No.	Presentation	Presenter/Leading author	Co-authors
B35	Impact of extreme weather events and coastal inundations in India on Aviation industry: Case study of incessant rainfall activity in and around Chennai city during November 2015.	Mr Manish RANALKAR	Rakesh KUMAR, R.R. MALI
B36	The effect of EL NINO/LA NINA on the temperature and rainfall fluctuation at Donmuang Airport	Mr Putchaphan SIRISAP	Nipon THANGPRASERT

Arranged by alphabetic order of the last name of the leading author under Topic Session 1, 2 and 3

Max 40 posters