



International Conference & Expo on

# Aerospace & Aeronautical Engineering

February 26-27, 2018 Abu Dhabi, UAE

**Day 1 Feb 26, 2018**

**Main Hall**

**08:30-09:30 Registrations**

**09:30-10:00 Introduction & Opening Ceremony**

**Keynote Session**

**10:00-10:30** Title: The dangers of landing on a comet....twice  
**Laurence O'Rourke**, European Space Agency , Spain

**10:30-11:00** Title: Vibroacoustics of Sandwich composite structures  
**Mohamed Ichchou**, Univesity of Lyony, FRANCE

**11:00-11:15 Coffee Break**

**11:15-11:45** Title: Challenges to Aerospace / Aeronautical Engineering - Indian Context  
**Ch.Sanjay**, Gitam University, India

**11:45-12:15** Title: Aeronautical Engineering: A New Paradigm for Education  
**Georges N. NAHAS**, University of Balamand, Lenanon

**12:15-12:45** Title: Multidisciplinary Design Optimization and Technological shift in Aerospace & Aeronautical Engineering  
**Parviz Mohammad Zadeh**, University of Tehran, Iran

**12:45-12:55 Group Photo**

**12:55-13:50 Lunch Break**

**Session 1 Scientific Sessions**

**Session Chair Yet to be Confirmed**

**13:50-14:10** Title: To Identify the prevalence of heightened emotional activity (HEA) during normal flight operations and whether HEA mediates threat response and outcome  
**Doug Drury**, University of South Australia, Australia

**14:10-14:30** Title: Towards a Global Strategy for the Formation of Aero-Engineers and Technologists in the Middle East  
**Oussama C. Jadayel** , Balamand Institute of Aeronautics,

**14:30-14:50** Title: Aeronautical Education and Training in the Middle East  
**Thomas Fakoussa** , Captain, Germany

**14:50-15:10** Title: Aeronautical Education and Training in the Middle East  
**Akram Hammoudeh**, University of South Wales Branch-Dubai

**15:10-15:30** Title: What Does It Take to Become a CAA Inspector or Accident Investigator?  
**Elias Nikoaidis**, General Civil Aviation Authority, UAE

**15:30-15:45 Coffee Break**

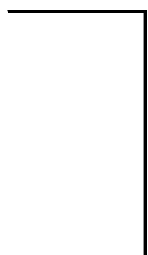
15:45-16:05	<b>Title:</b> Math modelling and CFD simulation of bio-inspired wingtip devices: Delta leading edge extension at the wingtip and a curved winglet concept <b>Djahid Gueraiche</b> , Moscow Aviation Institute, Moscow
16:05-16:25	<b>Title:</b> COMPARATIVE STUDY OF EFFICIENCY AND PRODUCTIVITY OF INTERNATIONAL AIRLINES <b>Antonio Henriques de Araujo Junior</b> , State University of Rio de Janeiro , Brazil
16:25-16:45	<b>Title:</b> ICE CUBES – International Commercial Experiment Cubes establishing a fast-track, simple, affordable access service for small experiments to the ISS <b>Stenuit Hilde</b> , Space Applications Services, Netherlands
16:45 -17:45	<b>Workshop on :</b> A TRAINER AIRCRAFT DESIGN AND BUILD PROGRAM; WITH EMPHASES ON MANUFACTURING AND TESTING REQUIREMENTS <b>Abdulhamid Ghmmam</b> , Libyan Authority for Research, Science and Tecnology, Libya
17:45-18:05	<b>Title:</b> Internal ballistic numerical modelling for next generation space launchers and micro-launchers <b>Florin Mingireanu</b> , Romanian Space Agency, Romania
18:05-18:25	<b>Title:</b> Advanced Hyperloop Transportation System <b>Shaaban Abdallah</b> , University of Cincinnati, USA
18:25-18:45	<b>Title:</b> Some Issues on China General Aviation Legislation <b>Luan Shuang</b> , Nanjing University of Aeronautics and Astronautics, China
18:45-19:05	<b>Panel Discussion</b>
<b>Day 2 April 04, 2017</b>	
<b>MainHall</b>	
<b>Session 1</b>	<b>Keynote Session</b>
<b>Session Chair</b>	<b>Yet to be Confirmed</b>
10:00-10:30	<b>Title:</b> The search for the Rosetta Philae Lander <b>Laurence O'Rourke</b> , European Space Agency, Europe
10:30-11:00	<b>Title:</b> Tab Location Effect on Supersonic Jet Mixing, <b>E. Rathakrishnan</b> , Indian Institute of Technology Kanpur, India
11:00-11:15	<b>Coffee Break</b>
<b>Sessions 1</b>	<b>Scientific Sessions</b>
11:15-11:35	<b>Title:</b> Unmanned Aircraft for Precipitation <b>Alan Gertler</b> , Desert Research Institute,US
11:35-11:55	<b>Title:</b> Aircraft optimization and hypersonic aircraft designs <b>Santiago Hernandez</b> , University of Coruna, Spain
11:55-12:15	<b>Title:</b> THE GERMANWINGS CASE: A BLACK SWAN OR A DANGEROUS TREND? <b>Antonio Chialastri</b> , Rome “La Sapienza” University, Rome
12:15-12:35	<b>Title:</b> Feasibility of One Man Copters as Future Transportation <b>Akshtha Ilangoan</b> , SRM University, India

12:35-12:55	<b>Title:</b> Challenges and Recent Progress in Small Fixed-Wing Unmanned Aircraft Unsteady Aerodynamics and Flow Control Research <b>Vladimir Golubev</b> , Embry-Riddle Aeronautical University, USA
12:55-13:05	<b>Panel Discussion</b>
13:05-13:55	<b>Lunch Break</b>
13:55-14:15	<b>Title:</b> Theoretical Model for Aircraft Susceptibility to Infrared Guided Missiles <b>SHRIPAD P. MAHULIKAR</b> , IIT Bombay, India
14:15-14:35	<b>Title:</b> High-tech and Innovation: The Imminent Solutions for Flight Training to address the Pilot Shortage Issue <b>ALEXIS DAVID FAFARD</b> , OTTAWA AVIATION SERVICES INC, Canada
14:35-14:55	<b>Title:</b> High Altitude UAV Development and Flight Testing <b>Florin Mingireanu</b> , Romanian Space Agency, Romania
14:55-15:15	<b>Title:</b> Computational Study for Axisymmetric Flow around a Cylinder Body with Different Nose Shape <b>Ghazal Hosseinzadeh</b> , Amirkabir University of Technology, Iran
15:15-16:15	<b>Workshop on:</b> Friction Welding Methods: Simulation and Experiment <b>Parviz Asadi</b> , Imam Khomeini International University, Qazvin, Iran
16:15-16:30	<b>Coffee Break</b>
16:30-16:50	<b>Title :</b> ANALYSIS OF FLEXURAL PROPERTIES FOR METAL/PLASTIC COMPOSITES MADE BY A NEW HYBRID PROCESS <b>Javaid Butt</b> , Anglia Ruskin University, UK
16:50-17:10	<b>Title:</b> Structural Health Monitoring for Next Generation Aerospace Applications <b>Yeasin BHUIYAN</b> , University of South Carolina, USA
17:10-17:30	<b>Title:</b> Life Estimation of Turbine Blades in Aircraft Engine <b>Romuald Rzadkowski</b> , Polish Academy of Sciences, Poland
17:30-17:50	<b>Title:</b> The transformation of product development process into lean environment using set-based concurrent engineering: <b>Ahmed Al-Ashaab</b> , Cranfield University, UK
17:50-18:10	<b>Title :</b> Research and Technology Advancements and its Impact on aircraft Design Engineering Organizations landscape and Skill Set Requirements <b>Hany Sadek</b> , Concordia university, Canada
18:10-18:30	<b>Title:</b> Increasing Aircraft's Performance and Safety by Interpreting Electromagnetism <b>Sambit Supriya Dash</b> , SRM University, India
18:30-18:50	<b>Title:</b> Air Craft Winglet Design and Performance: CantAngle Effect <b>Essam E. Khalil</b> , Cairo University, Egypt
<b>Poster Presentations on Day 2 @ 18:50-19:30</b>	
P-001	<b>Title:</b> FASTENERS PULL-THROUGH STRENGTH ON FRP LAMINATE <b>Moazzam Habib</b> , Cranfield University, UK
P-002	<b>Title:</b> Feasibility of One Man Copters as Future Transportation <b>Ayashika Mukherjee</b> , SRM University, India

<b>P-003</b>	<b>Title:</b> Demand Volatility impact on Airspace Throughput considering Conventional and Free Route Environment
	<b>Anrieta Dudoit</b> , Cranfield University, UK
<b>***Note: This is a Tentative Program, it is Subjected to slight changes till Final Program</b>	







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