

Final Program

International Conference & Expo on
**Aerospace &
Aeronautical Engineering**

February 26–27, 2018 at Abu Dhabi, UAE



Scientific Federation

1-8-506/2/B, Begumpet, Hyderabad-500016, India

T: +91-40-6668 7799 | E: contact@scientificfederation.com

<http://scientificfederation.com/index.php>

Day 1 February 26, 2018

08:30-09:30 Registrations

09:30-10:00 Introduction & Opening Ceremony

OASIS-II

Keynote Sessions

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 Lyon, France

Coffee Break 11:00-11:15 @ Foyer

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, Lebanon

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

Lunch Break 12:55-13:55 @ Flavours Restaurant

Session 1 Aerospace and Aeronautics Sessions

Session Chair: Oussama C. Jadayel, Balamand Institute of Aeronautics, Lebanon

Co-Chair: Ch.Sanjay, Gitam University, India

13:55-14:10 **Title: Towards a Global Strategy for the Formation of Aero-Engineers and Technologists in the Middle East**

Oussama C. Jadayel, Balamand Institute of Aeronautics, Lebanon

14:10-14:25 **Title: Aeronautical Education and Training in the Middle East**
Thomas Fakoussa, Captain, Germany

14:25-14:40 **Title: Aeronautical Education and Training in the Middle East**
Akram Hammoudeh, University of South Wales Dubai, UAE

14:40-14:55 **Title: What Does It Take to Become a CAA Inspector or Accident Investigator?**
Elias Nikoaidis, General Civil Aviation Authority, UAE

14:55-15:35 Panel Discussion

Coffee Break 15:35-15:50 @ Foyer

15:50-16:10 **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

16:10 -16:30 **Title: ICE CUBES – International Commercial Experiment Cubes establishing a fast-track, simple, affordable access service for small experiments to the ISS**
Stenuit Hilde, Space Applications Services, Netherlands

16:30-16:50 **Title: Internal ballistic numerical modelling for next generation space launchers and micro-launchers**
Florin Mingireanu, Romanian Space Agency, Romania

16:50-17:10 **Title: The Germanwings Case: A Black Swan or A Dangerous Trend?**
Antonio Chialastri, Airline captain, STASA italian think-tank, Italy

17:10-17:30 **Title: Dynamic Finite Element Formulation to Flexural Vibration Analysis of Thin Plates: Past, Present, and Future Directions**
Seyed M. Hashemi, Ryerson University, Canada

Cocktails 19:00-20:00 @ Pool Side

Day 2 February 27, 2018

OASIS-II

Keynote

10:00-10:30 **Title: The search for the Rosetta Philae Lander**
Laurence O'Rourke, European Space Agency, Europe

Sessions 1 Aerospace and Aeronautics Sessions

Session Chair: Oussama C. Jadayel, Balamand Institute of Aeronautics, Lebanon

Co-Chair: Ch. Sanjay, Gitam University, India

10:30-10:50 **Title: Unmanned Aircraft for Precipitation**
Alan Gertler, Desert Research Institute, USA

Coffee Break 10:50-11:05 @ Foyer

11:05-11:25 **Title: Advanced Hyperloop Transportation System**
Shaaban Abdallah, University of Cincinnati, USA

11:25-11:45 **Title: Air Craft Winglet Design and Performance: CantAngle Effect**
Essam E. Khalil, Cairo University, Egypt

11:45-12:05 **Title: Challenges and Recent Progress in Small Fixed-Wing Unmanned Aircraft Unsteady Aerodynamics and Flow Control Research**
Vladimir Golubev, Embry-Riddle Aeronautical University, USA

12:05-12:25 **Title: Math modelling and CFD simulation of bio-inspired wingtip devices: Delta leading edge extension at the wingtip and a curved winglet concept**
Djahid Gueraiche, Moscow Aviation Institute, Russia

12:25-12:45 **Title: Feasibility of One Man Copters as Future Transportation**
Akshtha Ilangoan, SRM University, India

12:45-12:55 Panel Discussion

Lunch Break 12:55-13:55 @ Flavours Restaurant

13:55-14:55 **Workshop on: Friction Welding Methods: Simulation and Experiment**
Parviz Asadi, Imam Khomeini International University, Iran

14:55-15:15 **Title: High Altitude UAV Development and Flight Testing**
Florin Mingireanu, Romanian Space Agency, Romania

15:15-15:35 **Title: Some Issues on China General Aviation Legislation**
Luan Shuang, Nanjing University of Aeronautics and Astronautics, China

Coffee Break 15:35-15:50 @ Foyer

15:50-16:10 **Title: Comparative Study of Efficiency And Productivity of International Airlines**
Antonio Henriques de Araujo Junior, State University of Rio de Janeiro, Brazil

16:10-16:30 **Title: Theoretical Model for Aircraft Susceptibility to Infrared Guided Missiles**
Shripad P. Mahulikar, Indian Institute of Technology Bombay, India

16:30-16:50 **Title: Numerical Investigation on the Effect of Gasper Jets on Human Thermal Comfort in Aircraft Cabins**
Essam E. Khalil, Cairo University, Egypt

Poster Presentations

P-001 **Title: Fasteners Pull-Through Strength on FRP Laminate**
Moazzam Habib, Cranfield University, UK

P-002 **Title: Demand Volatility impact on Airspace Throughput considering Conventional and Free Route Environment**
Anrieta Dudoit, Vilnius Gediminas Technical University(VGTU), Lithuania

Closing Ceremony

Bookmark Your Dates

2nd International Conference & Expo On
**Aerospace and
Aeronautical Engineering**
February 18-19, 2019 at Frankfurt, Germany

