

Scientific Program

2nd edition of

Aerospace and Aeronautical Engineering

February 18-19, 2019 | Frankfurt, Germany



Scientific Federation

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

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Day 1 February 18, 2019

Main Hall

08:30-09:30 Registrations

09:30-10:00 Introduction & Opening Ceremony

Plenary Forum

10:00-10:45 **Title: Carbon Fibre Recycle For Vehicle Industry**
Narasimha Sharma Narayanam, NRN Aerospace, UK

10:45-11:30 **Title: Life Extension Methodology of Air Launched Missiles**
Air Vice Marshal S Saxena (Retd), Aerospace & Defence Expert, India

Networking & Refreshments Break 11:30-11:45 @ Foyer

11:45-12:30 **Title: Nonlinear Real-Time Optimal Control using MPSP with Applications in Challenging Space Missions**

Radhakant Padhi, Indian Institute of Science, India

12:30-13:15 **Title: VR & AR Training Solutions for Aerospace**
Andy Ng, AviationLearn Pte Ltd, Singapore

13:15-13:20

Group Photo

Lunch Break 13:20-14:20

Session Chair Narasimha Sharma Narayanam, NRN Aerospace, UK

Session Co-chair Veteran WG CDR Jaydev Desai, STOE Consultants, India

Keynote Forum

14:20-15:05 **Title: Addressing the Change of Paradigm in Training and Teaching**
Thomas Fakoussa, Captain, Germany

15:05-15:50 **Title: Space Data Based Big Data Analysis an Industry Need**
Narcrissha Norman, Embry-Riddle Aeronautical University, US

Networking & Refreshments Break 15:50-16:05 @ Foyer

16:05-16:50 **Title: ElectroDynamic Tether Mission for Space Debris Removal Demonstration**
Zhu, Zheng Hong, York University, Canada

16:50-17:35 **Title: Composite Materials for Aerospace Structures**
Young W. Kwon, Naval Postgraduate School Monterey, CA

17:35-18:00

Panel Discussion

Day 2 February 19, 2018

MainHall

Sessions Scientific Sessions

Session Chair Narasimha Sharma Narayanam, NRN Aerospace, UK

Session Co-Chair Veteran WG CDR Jaydev Desai, STOE Consultants, India

10:00-10:30 **Title: Opportunities in the Fastest Growing Economy- INDIA**
Veteran WG CDR Jaydev Desai, STOE Consultants, India

10:30-11:00 **Title: The Potential of Using Nanofluid as a Coolant in Vehicles Radiator**
Mohamed Ali, King Saud University, Saudi Arabia

11:00-11:30 **Title: Observer-Based Fault Diagnosis of an aircraft**
Demet Canpolat Tosun, Anadolu University, Turkey

Networking & Refreshments Break 11:30-11:45 @ Foyer

11:45-12:15 **Title: Effect of Flow Fieldserpentine Channel Configurations on Pem Fuel Cells Performance**

Hayder Abed Dhahad, University of Technology, Iraq

12:15-12:45 **Title: Novel Control technologies for a Morphing Wing-Tip**

Ruxandra Mihaela Botez, University of Quebec, Canada

12:45-13:00

Panel Discussion

Lunch Break 13:00-14:00

14:00-14:30 **Title: The Impact of Fatigue on Emotional Responses to Operational Threats**

Douglas A Drury, University of South Australia, Australia

14:30-15:00 **Title: The Aeronautical Scientist**

Giliardi Peroti de Azevedo, Paulista University, Brazil

Networking & Refreshments Break 15:00-15:15 @ Foyer

Poster Presentations

P-001

Title: The Application of Mathematical Modeling and its Impact on the Optimization of Results of Nature Aeronautics

Mirelly Ferreira de Silveira, Universidade do Vale do Paraíba, Brazil

Closing Ceremony

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3rd International Conference & Expo on

Aerospace & Aeronautical Engineering

February 17-18, 2020 | Philadelphia, USA

