Scientific Program



conferenceseries.com

1819th Conference

6th International Conference on

Aerospace and Aerodynamics

August 02-03, 2018 | Barcelona, Spain

UK: Conference Series LLC Ltd
47 Churchfield Road, London, W3 6AY
Toll Free: +0-800-014-8923

Day-1

August 02, 2018

09:30-10:00 Registrations

Opening Ceremony

10:00-10:30

Meeting Hall: Indianapolis

KEYNOTE FORUM

Introduction

10:30- 11:15 Title: Various aspects of situation awareness with respect to human-machine-interaction
Vinod Karar, Central Scientific Instruments Organisation, India

Networking & Refreshment Break 11:15-11:35 @ BarTerraza

Sessions: Aerospace Design Engineering | Aeronautics | Astronautics | Rocket Propulsion | Aircraft Stability and Control Astrophysics | Clean energy | Aerodynamics

Chair: **Vinod Karar,** Central Scientific Instruments Organisation, India
Co-Chair: **Ikuo Yamamoto,** Nagasaki University, Japan

PLENARY SESSION

11:35-12:10 Title: Aircraft design via numerical optimization
Joaquim R R A Martins, University of Michigan, USA

12:10-12:45 Title: Controlling chaos – forced van der pol equation
Timothy Sands, Stanford University, USA

12:45-13:20 Title: Comparisons of anti-/de-icing performance of DBD plasma actuators with different power supplies
Borui Zheng, Xi'an University of Technology, China

GROUP PHOTO

Lunch Break 13:20-14:15 @ BarTerraza

YOUNG RESEARCH FORUM

14:15-14:50 Title: LIC-Laser Induced Combustion
Akshita Swaminathan, SRM University, India

14:50-15:25 Title: Experimental insight on the role of flow velocity and separation distance on smoldering combustion
Rakshantha. M, SRM University, India

15:25-16:00 Title: Effects of thermoacoustic coupling with external heat source on diffusion flames
Pratik Sarkar, SRM University, India

Networking and Refreshments Break 16:00-16:20 @ BarTerraza

16:20-16:55 **Title: Combustion and propulsion effect of acoustic bass on premixed flames**
Tathagat Sarangi, SRM University, India

16:55-17:30 **Title: Spatial analysis and perspective of flamming transition through images**
Sambit Supriya Dash, SRM University, India

PANEL DISCUSSION

Day-2

August 03, 2018

Meeting Hall: Indianapolis

KEYNOTE FORUM

10:00-10:45 **Title: Development of multi-rotor flight robotics and applications**
Ikuo Yamamoto, Nagasaki University, Japan

Sessions: Industrial Automation | Satellite Communication | Avionics | Unmanned Aerial Vehicles Aeronautics | Robotics | Heat transfer | Fluid mechanics

Chair: Vinod Karar, Central Scientific Instruments Organisation, India
Co-Chair: Ikuo Yamamoto, Nagasaki University, Japan

PLENARY SESSION

10:45-11:15 **Title: Forcing non-natural outputs via trajectory planning on the forced van der Pol equation**
Matthew A. Cooper, Air Force Research Laboratory, USA

Networking & Refreshment Break 11:15-11:30 @ BarTerraza

11:30-12:10 **Title: Technology management at airports**
Vildan Durmaz, Anadolu University,Turkey

12:10-12:50 **Title: High fidelity aerodynamics models for blended wing body design**
Luca Cerquetani, ISAE-SUPAERO, France

12:50-13:30 **Title: Antigravity device , modeled on the basis of new axioms and laws**
Valentina Markova, Bulgarian Academy of Sciences, Bulgaria

Lunch Break 13:30-14:30 @ BarTerraza

POSTER PRESENTATIONS 14:30-14:50

SPEAKER SESSION 14:50-16:20

14:50-16:20 **Title: Improved performance of a micro oscillator for micro-mixing**

Brahim Dennai, Tahri Mohammed University, Algeria

Networking and Refreshments Break 16:20-17:05 @ BarTerraza

PANEL DISCUSSION

Awards & Closing Ceremony