**Tentative Program**

**2nd International Conference on Fluid Dynamics & Aerodynamics**

Rome, Italy October 19-20, 2017

Theme: Decoding the Grey Shades of Fluid Dynamics & Aerodynamics

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**Interactive Sessions**

**Keynote Lectures**

**Plenary Lectures**

**Workshops**

**Exhibitors**

**B2B Meetings**

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***For available speaker slots***

fluiddynamics@enggconferences.com

http://fluid-aerodynamics.global-summit.com/
# Program at a Glance

## Day 1

<table>
<thead>
<tr>
<th>Time</th>
<th>Reception/Registration</th>
<th>08.00-09.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Session</td>
<td>09.00-09.15</td>
<td>Inaugural Address</td>
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<tr>
<td>Least of 3 Keynote/Plenary Talks</td>
<td>09.15-09.45</td>
<td>Keynote/Plenary Talk 1</td>
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<td></td>
<td>09.45-10.15</td>
<td>Keynote/Plenary Talk 2</td>
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<td>10.15-10.45</td>
<td>Keynote/Plenary Talk 3</td>
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<td><strong>Panel Discussions/Group Photo</strong></td>
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<td></td>
<td><strong>Coffee/Tea Break 10.45-11.00 (Networking)</strong></td>
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<td></td>
<td>11.00-12.40</td>
<td>5 Speakers (20 Mins Each)</td>
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<td><strong>Lunch Break 12.40-13.30</strong></td>
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<td></td>
<td>13.30-15.30</td>
<td>6 Speakers (20 Mins Each)</td>
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<td></td>
<td><strong>Coffee/Tea Break 15.30-15.45 (Networking)</strong></td>
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<tr>
<td></td>
<td>15.45-17.25</td>
<td>5 Speakers (20 Mins Each)</td>
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## Day 2

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 1</th>
<th>Session 2</th>
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<tbody>
<tr>
<td>09.00-10.40</td>
<td>5 Speakers (20 Mins Each)</td>
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<tr>
<td></td>
<td><strong>Coffee/Tea Break 10.40-10.55 (Networking)</strong></td>
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<td>10.55-12.35</td>
<td>5 Speakers (20 Mins Each)</td>
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<td><strong>Lunch Break 12.35-13.25</strong></td>
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<tr>
<td>13.25-15.05</td>
<td>5 Speakers (20 Mins Each)</td>
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<td><strong>Poster Sessions</strong></td>
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<tr>
<td>15.20-17.00</td>
<td>5 Speakers (20 Mins Each)</td>
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## Awards & Closing Ceremony

http://fluid-aerodynamics.global-summit.com/
FEATURED SPEAKERS

Title: Development Of Control Systems Of Sintering Processes In Rotary Tubular Kilns On Base 2d-Modelling With Using thermovisors Scanning
I.V. SHARIKOV, Saint Petersburg Mining University, Russia

Title: Near-wall domain decomposition in turbulence modeling: current state-of-the-art and perspectives
Sergey Utyuzhnikov, The University of Manchester, U.K

Title: Numerical Analysis of Flame Characteristics and Stability for the Conical Nozzle Burner
Sam M Dakka, Sheffield Hallam University, U.K

Title: LES predictions of self-sustained oscillations in round free jets
Andrzej Boguslawski, Czestochowa University of Technology, Poland

Title: High speed aerodynamic phenomena and interactions including their control
Konstantinos Kontis, University of Glasgow, UK

Title: Jet manipulation using unsteady minijets
Yu Zhou, Harbin Institute of Technology (Shenzhen), China

Title: large-eddy simulation of a dual axial counter rotating swirler with focus on the swirler inner flow behaviour
Foad Vashahi, National University Jeonju, South Korea

Title: Isochronal Synchronization in Complex Network with Propagation Delay
Eliza Wajch, Siedlce Elbert E. N. Macau, National Institute for Space Research, Brazil

Title: Wavy interface behavior and droplet entrainment of annular two-phase flow in rod-bundle geometry with spacers
Tomoaki Kunugi, Kyoto University, Japan

Title: A perspective of shock waves: with examples in aerodynamics and granular flows
Xinjun Cui, Sheffield Hallam University, UK

Keynote Slots Available
FEATURED SPEAKERS

Title: Simultaneous Aerodynamic Pressure Measurements and Modern Structural Design for Wind
Emil Simiu, National Institute of Standards and Technology, USA

Title: Challenges and Recent Progress in Small Fixed-Wing Unmanned Aircraft Unsteady
Aerodynamics and Flow Control Research
Dr. Vladimir V. Golubev, Embry-Riddle Aeronautical University

Title: edge noise reduction in turbulent boundary—layers and mitigation strategies for wind
turbines
Daniele Ragni, TU Delft, Netherlands

Title: Operation and heat transfer characteristics in closed-loop pulsating heat pipe
Xiangdong Liu, Yangzhou University, China

Title: Hydrodynamics of double emulsion droplets in microfluidics
Yongping Chen, Suzhou University of Science and Technology, China

Title: Slider Bearings Lubrication with MHD Couplestress Fluids
N.B.Naduvnamani, Gulbarga University, Kalaburagi, INDIA

Title: A Roadmap to Well Posed and Stable Problems in Computational Physics
Jan Nordström, Linköping University, Sweden

Title: LES predictions of self-sustained oscillations in round free jets
Artur Tyliszczak, Czestochowa University of Technology, Poland

Title: Aerodynamic swirling jet impingement: connection between flow and heat transfer
Zahir U Ahmed, Khulna University of Engineering & Technology, Bangladesh

Title: Experimental Study on EHD Heat Transfer Enhancement of Thermal Systems
Alami a Amin, PhD, Tabriz, Iran

Speaker Slots Available
FEATURED SPEAKERS

Title: Helicopter main rotor vibration analysis with varying rotating speed  
Salvador Castillo-Rivera, PhD, City University London, UK

Title: Dynamic impact on a frozen support caused by natural and quasinatural oscillations of an ice plate  
Aleksei Greshilov, Lavrentyev Institute of Hydrodynamics, Russia

Title: Midfield drag prediction method with surface integral to account for wave drag due to shock discontinuities  
Shi-Xiang Ji, Tsinghua University, Beijing, China

Title: Power Consumption of Liquid Atomization Device by using Rising Film Flow along a Rotating Cone Disk  
Yutaro Takahashi, Akita University, Japan

Title: Blood Flow Analysis In Presence Of Static Magnetic Field Of 3.0 T  
J. Alfredo Soto, University of Guanajuato, Mexico

Title: Vortex force approach for general airfoils of compressible flow  
Juan Li, Tsinghua University, China

Title: Effective use of nanofluids in microfluidics for electronic packaging  
Tanuja Sheorey, IIITDM Jabalpur, India

Title: New similarity solution of micropolar fluid flow problem over an upper horizontal surface of a paraboloid of revolution in the presence of quartic kind of autocatalytic chemical reaction  
I. L. Animasaun, Federal University of Technology, Akure

Title: A Numerical Investigation on the Performance of Wind Turbine Airfoils with Gurney Flaps and Airfoil Shape Alteration  
Obai Younis, Engineering University of Khartoum, Sudan

Title: Improvement of Single Cell Structure of Molten Hydroxide Direct Carbon Fuel Cells by CFD Simulation Molten.  
Jiamao Hao, Inner Mongolia University of Technology, China

Find 150 More Speaker Presentations from USA, Europe, Middle East and Asia pacific  
http://fluid-aerodynamics.global-summit.com/
City Attractions

- Foro di Traiano (Forum of Trajan)
- Pantheon
- Vatican City
- Roman Forum
- Spanish Steps
- Trevi Fountain
- The Colosseum
About Rome

Rome is known as global city, it is one of the most visited cities of the world. Being the capital city of Italy, many international institutions are located in Rome, especially cultural and scientific one, such as the American Institute, the British School, the French Academy, and the Scandinavian Institutes. Rome has been ranked 32nd in the global city index in 2014, it holds 6.7% of the total GDP of Italy, and if Rome were to be a country, it would be 52nd richest country in the world in terms of GDP. Rome grows +4.4% annually and continues to grow at a higher rate in comparison to any other city in the rest of the country.

Economy of the Rome is characterised by high-technology companies such as IT Aerospace, defence telecommunication, research and commercial activities. Rome is the international centre for higher education containing numerous academies, colleges and universities. La Sapienza (founded in 1303), is one of the largest in the world, with more than 140,000 students attending in 2005, it ranked as Europe's 33rd best university. Hence being a composite platform of industries, education, business centre Rome will be an excellent opportunity for exchange of ideas in a vibrant atmosphere. Moreover Rome is great place to visit in October, when leaves are turning red and chilling freshness in the air. Rome houses some of major historical structure like colosseum, Vatican museum and the holy Vatican City.

Venue

Holiday Inn Rome - Aurelia
Via Aurelia Km 8,400
00163 Roma
Italy

Important Dates

Abstract submission opens: November 16, 2016
Registration opens: November 16, 2016
On spot registration: October 19, 2016

Contact Details:
Fluid & Aerodynamics 2017
Conference Series Ltd
Kemp House, 152 City Road, London EC1V 2NX
United Kingdom, SO18 3QS, Ph: + 1-888-843-8169
e-mail: fluiddynamics@enggconferences.com

http://fluid-aerodynamics.global-summit.com/
Global Summit and Expo on

Fluid Dynamics & Aerodynamics

August 15-16, 2016   London, UK
Day 1                August 15, 2016

09:30-10:00  Registrations

Training room 1

conference_series.com  10:00-10:20  Opening Ceremony

Keynote Forum

10:20-10:25  Introduction
10:25-11:05  Title: Recent developments in train aerodynamics
             Hassan Hemida, University of Birmingham, UK

Networking and Refreshments Break: 11:05-11:25 @ Foyer

11:25-12:05  Title: Active flow control from fluidic oscillators to future applications
             Josep M Bergada, Polytechnic University of Catalonia, Spain

Group Photo

Major Sessions:
Fluid Dynamics  |  Numerical Methods  |  CFD Methodology & Models

Session Chair: Olga V. Mitrofanova, National Nuclear Research University MEPhI, Russia
Session Co-chair: Yeng-Yung Tsui, National Chiao Tung University, Taiwan

12:05-12:30  Title: A study of the fluidic movement of the hydrated products from the early carbonation curing in cementitious paste and the effects on the mechanical and porosity properties
             Alex Neves Junior, Federal University of Mato Grosso, Brazil

12:30-12:55  Title: Development of mathematical models of technological processes with using heat flux calorimetry
             Iurii Sharikov, National Mineral Resources University, Russia

Lunch Break 12:55-13:35 @ Orwell’s Brasserie

13:35-14:00  Title: A finite element approach derived from the simplified variational principle
             Asher Yahalom, Ariel University, Israel

14:00-14:25  Title: Research on sheet cavitation numerical predicted and estimation of tip vortex cavitation inception of ducted propeller with pre-swirl stator
             Zhengfang Qian, Naval Academy of Armament, China

14:25-14:50  Title: Active flow control applied on a NACA 2412 profile, possible devices to use and its expected performance efficiency
             Josep M Bergada, Polytechnic University of Catalonia, Spain

14:50-15:15  Title: A fluid dynamics approach to the dynamics of microscopic systems
             Eric Suraud, Université Paul Sabatier, France

15:15-15:40  Title: Numerical prediction of the integral length scale of isotropic turbulence
             Kaifu Ye, Naval Academy of Armament, China

Networking & Refreshment Break 15:40-16:00 @ Foyer

16:00-16:25  Title: Hydrodynamic performance prediction of submarine considering fluid-structure interaction via CFD/FEM
             Jingwei Jiang, Naval Academy of Armament, China

16:25-16:50  Title: Studies of the mechanisms of vortex generation in nature and in engineering
             Olga V. Mitrofanova, National Nuclear Research University MEPhI, Russia

16:50-17:15  Title: Simulations of non equilibrium flows by kinetic methods and non classical effects
             V V Aristov, RAS - Federal Research Centre “Computer Science and Control”, Russia

Closing Ceremony
Day 2  August 16, 2016

Training room 1

Sessions:
Aerodynamics | Wind Tunnel | Thermo-Fluid Dynamics

Session Chair: Mohamed A. Samaha, Rochester Institute of Technology, Dubai Campus, UAE
Session Co-chair: Iurii Sharikov, National Mineral Resources University, Russia

Session Introduction

10:00-10:25  Title: Modeling of the coupled conduction-convection ice formation on a horizontal finned tube under density inversion conditions
Mohamed A. Samaha, Rochester Institute of Technology, Dubai Campus, UAE

10:25-10:50  Title: Aerodynamic investigations of low speed tailless mini unmanned aerial vehicle
Wanchai Jiajan, Royal Thai Air Force Academy, Thailand

Networking & Refreshment Break 10:50-11:10 @ Foyer

11:10-11:35  Title: Onset of flow instability and turbulence development over distributed sinusoidal 2D and 3D roughness
Leonardo P. Chamorro, University of Illinois at Urbana-Champaign, USA

11:35-12:00  Title: Heat transfer enhancement by corona discharge
Yeng-Yung Tsui, National Chiao Tung University, Taiwan

12:00-12:25  Title: Methods to measure CO₂ captured in cement applications
Alex Neves Junior, Federal University of Mato Grosso, Brazil

12:25-12:50  Title: Line preserving flows in the Euler potentials formalism
Przemyslaw Figura, Space Research Centre - Polish Academy of Sciences, Poland

Lunch Break 12:50-13:30 @ Orwell’s Brasserie

Young Research Forum

13:30-13:50  Title: Fluidic oscillators performance evaluation when modifying its internal dymensions
Carlos Andres Candelo, Polytechnic University of Catalonia, Spain

13:50-14:10  Title: Numerical study to improve the numerical instability of lattice Boltzmann method
Bo AN, Polytechnic University of Catalonia, Spain

14:10-14:30  Title: Numerical investigation on instability of flow around planar cascade of aerofoils based on energy gradient theory
Hui Yang, Zhejiang Sci-Tech University, China

14:30-14:50  Title: Numerical study of hydrodynamic characteristics of gas-liquid slug flow in vertical pipes
E Z Massoud, University of Strathclyde, UK

Session Discussion

Thanks giving & Closing ceremony

Bookmark your dates

2nd Global Summit and Expo on

Fluid Dynamics & Aerodynamics

October 19-20, 2017  Rome, Italy

E-mail: fluiddynamics@conferenceseries.net; fluiddynamics@conferenceseries.com
Website: fluid-aerodynamics.global-summit.com