<table>
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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08:30-09:00</td>
<td>Registrations</td>
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<tr>
<td>09:00-09:30</td>
<td>Introduction</td>
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<td>09:30-09:50</td>
<td>COFFEE BREAK</td>
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<tr>
<td>09:50-11:50</td>
<td>KEYNOTE LECTURES</td>
<td>Meeting Hall 01</td>
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<tr>
<td>11:50-13:10</td>
<td>Talks On:</td>
<td>MEETING HALL 01</td>
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<td></td>
<td>Microfluidics</td>
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<td>Numerical Methods</td>
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<td>Heat Transfer System</td>
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<td>13:10-13:15</td>
<td>GROUP PHOTO</td>
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<td>13:15-14:00</td>
<td>LUNCH BREAK</td>
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<td>14:00-16:00</td>
<td>Talks On:</td>
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<td>Aerodynamics</td>
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<td>Aero-acoustics</td>
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<td>Hydrodynamics</td>
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<td>Aerodynamics Simulations</td>
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<td>Biofluid Mechanics</td>
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<td>16:00-16:20</td>
<td>COFFEE BREAK</td>
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<td>MEETING HALL 01 (16:20-17:00)</td>
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<td>Young Researchers in Fluid Dynamics &amp; Aerodynamics</td>
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DAY 2
Tuesday 12th November

09:00-10:30 Meeting Hall 01

KEYNOTE LECTURES

10:30-10:50 COFFEE BREAK

10:50-12:50

MEETING HALL 01

Talks On:
- Thermo-Fluid Dynamics
- Turbomachinery
- Hydraulics
- Fluid Flow
- Turbine

12:50-13:35 LUNCH BREAK

13:35-15:55

MEETING HALL 01

Talks On:
- Microfluidics
- Fluid Dynamics
- Numerical Methods
- CFD Methodology
- Heat Transfer System

15:55-16:15 COFFEE BREAK

15:55-17:00 MEETING HALL 01 (16:15-17:00)

Poster Presentations

Awards & Closing Ceremony
Previous Organizing Committee Members

Dimitris Drikakis
University of Strathclyde, Glasgow
United Kingdom

Ian R. McAndrew
Capitol Technology University
USA

Jin Xuan
Heriot-Watt University
United Kingdom

Junhui Hu
Nanjing University of Aeronautics and Astronautics, China

N Swaminathan
University of Cambridge
United Kingdom

Ronald So
The Hong Kong Polytechnic University, Hong Kong

Songgang Qiu
West Virginia University
USA

Wing Ng
Virginia Polytechnic Institute and State University, USA

Yukio Tamura
Tokyo Polytechnic University
Japan

https://fluid-aerodynamics.global-summit.com/
Leonard L Vasiliev  
National Academy of Sciences of Belarus, Belarus

Wing F Ng  
Virginia Tech, USA

I V Sharikov  
Saint Petersburg Mining University, Russia

Moise Y Koffi  
City University of New York, USA

Xesus Nogueira  
University of A Coruna, Spain

Boiger Gernot K  
Zurich University of Applied Sciences, Switzerland

Vladimir Zhukov  
Novosibirsk State Technical University, Russia

Satyanarayana Badeti  
VIT - AP University, India

Wasim Sarwar  
Polytechnic University of Catalonia, Spain

R S Srivastava  
Defence Science Centre, India

Ian R McAndrew  
Capitol Technology University, USA

Igor Palymskiy  
Siberian State University of Telecommunications and Information Sciences, Russia

M A Mochalov  
Russian Federal Nuclear Center, Russia

Tahir Yavuz  
Baskent University, Turkey

Anouchah Latifi,  
Qom University of Technology, Iran

Amal Kraiem  
University of Sfax, Tunisia

Hela Krir  
University of Sfax, Tunisia

H C Yee  
NASA Ames Research Center, USA

Andrzej Boguslawski & Artur Tyliszczak  
Częstochowa University of Technology, Poland

Samir Ziada  
McMaster University, Canada

Faik Hamad  
Teesside University, UK

Tomoaki Kunugi  
Kyoto University, Japan

Maksim V Ustinov  
TsAGI, Russia

Do Wan Kim  
Inha University, South Korea
Qihui Hu  
*China University of Petroleum, China*

Jin-Hee Yoon  
*Inha University, South Korea*

Asher Yahalom  
*Ariel University, Israel*

Sergey Utyuzhnikov  
*University of Manchester, UK*

Ulrich Razafison  
*Université de Bourgogne Franche-Comté, France*

Sergey V Alekseyenko  
*Oles Honchar Dnipro National University, Ukraine*

Adelaida Garcia-Magarino  
*Isdefe, Spain*

R Alberto Bernabeo  
*Abu Dhabi University, UAE*

Emiliano Costa  
*RINA Consulting, Italy*

Mattia Barbarino  
*CIRA, Italy*

Emil Simiu  
*National Institute of Standards and Technology, USA*

Yuri V Tunik  
*Research Institute for Mechanics of MSU, Russia*

Xesús Nogueira  
*Universidade da Coruña, Spain*

Piergiacomo Cancelliere  
*Italian National Fire Rescue and Service – CNVVF – Rome, Italy*

Tahir Yavuz  
*Başkent University, Turkey*

Valery Ya Rudyak  
*Novosibirsk State University of Architecture and Civil Engineering, Russia*

Konstantinos Kontis  
*University of Glasgow, UK*

Cuiwei Liu  
*China University of Petroleum, China*

T Pyragiene  
*Center for Physical Sciences and Technology, Lithuania*

Suthyvann Sor  
*INTA, Spain*

Moise Y Koffi  
*Hostos Community College, USA*

Hyun Muk Kim & Jeong Soo Kim  
*Pukyong National University, South Korea*

Lin Zheng  
*Beijing University of Technology, China*
Na Wang  
*Beijing University of Technology, China*

Seyfi Girgin  
*Istanbul Technical University, Turkey*

J Alfredo Soto Á  
*University of Guanajuato, Mexico*

Yutaro Takahashi  
*Akita University, Japan*

Satoshi Hotta  
*Akita University, Japan*

Aleksei Greshilov  
*Lavrentiev Institute of Hydrodynamics of SB RAS, Russia*

Luc R Pastur  
*ENSTA ParisTech, France*

E Z Massoud  
*University of Strathclyde, UK*

Hui Yang  
*Zhejiang Sci-Tech University, China*

Bo AN  
*Polytechnic University of Catalonia, Spain*

Carlos Andres Candelero  
*Polytechnic University of Catalonia, Spain*

Przemyslaw Figura  
*Space Research Centre - Polish Academy of Sciences, Poland*

Alex Neves Junior  
*Federal University of Mato Grosso, Brazil*

Yeng-Yung Tsui  
*National Chiao Tung University, Taiwan*

Leonardo P. Chamorro  
*University of Illinois at Urbana-Champaign, USA*

Wanchai Jiajan  
*Royal Thai Air Force Academy, Thailand*

Mohamed A. Samaha  
*Rochester Institute of Technology, Dubai Campus, UAE*

Iurii Sharikov  
*National Mineral Resources University, Russia*
Madrid Attractions

- Palacio Real
- Gran Via
- Plaza de Santa Ana
- Plaza de Toros de Las Ventas
- Plaza Mayor
- Temple of Debod
- Santiago Bernabéu Stadium
- Prado Museum
3rd International Conference on Fluid Dynamics & Aerodynamics

October 25-26, 2018 | Berlin, Germany
DAY-1
October 25, 2018
Meeting Hall: Sylt 3

Registrations

Opening Ceremony

KEYNOTE FORUM

Introduction

Title: Heat pipes with nanocomposites analysis and application
Leonard L Vasiliev, National Academy of Sciences of Belarus, Belarus

Title: Gas turbine flow characterization using non-intrusive acoustic measurements
Wing F Ng, Virginia Tech, USA

Networking & Refreshments @ Sylt Foyer

GROUP PHOTO

Title: The scaling problem of oxide materials hydrothermal synthesis for various autoclave reactors with considering natural convection
I V Sharikov, Saint Petersburg Mining University, Russia

Sessions: Fluid Dynamics | Turbine | Heat Transfer System | CFD Methodology | Hydrodynamics | Aero-acoustics | Aerodynamics Simulations

Chair: Leonard L Vasiliev, National Academy of Sciences of Belarus, Belarus
Co-Chair: I V Sharikov, Saint Petersburg Mining University, Russia

INTRODUCTION

Title: Vortex shedding leading to heat transfer rise in the vicinity of a rotationally oscillating heated plate
Moise Y Koffi, City University of New York, USA

Title: High-accurate meshless formulations for non-smooth compressible flows
Xesus Nogueira, University of A Coruna, Spain

Title: Eliminating anomalies of CFD model results of the powder coating process by refining aerodynamic flow-particle interaction and by introducing a dynamic particle charging model
Boiger Gernot K, Zurich University of Applied Sciences, Switzerland

Lunch Break @ Hotel Restaurant
Title: The Effect of the height of the horizontal layer of a liquid and pressure on hydrodynamic regimes of evaporation/boiling and critical heat flux
Vladimir Zhukov, Novosibirsk State Technical University, Russia

Title: The modification of Ekman-Hartmann layer by the imposition of axial velocity
Satyanarayana Badeti, VIT - AP University, India

Title: Numerical investigation of fluidic active flow control on circular cylinder in transitional regime
Wasim Sarwar, Polytechnic University of Catalonia, Spain

VIDEO PRESENTATION

Title: Flow in curved pipes
R S Srivastava, Defence Science Centre, India

Panel Discussion

DAY-2
October 26, 2018
Meeting Hall: Sylt 3

KEYNOTE FORUM

Introduction
Title: Aerodynamic implications for twin-wing aircraft at high altitudes
Ian R McAndrew, Capitol Technology University, USA
Title: About convection stability of the gas-vapor mixture at the temperature close to critical
Igor Palymskiy, Siberian State University of Telecommunications and Information Sciences, Russia


Chair: Ian R McAndrew, Capitol Technology University, USA
Co-Chair: Igor Palymskiy, Siberian State University of Telecommunications and Information Sciences, Russia

Title: Quasi-isentropic compressibility of deuterium at pressure region of ~12 Tpa
M A Mochalov, Russian Federal Nuclear Center, Russia

Networking & Refreshments @ Sylt Foyer

Title: Design of the concentrator – wind turbine combinations
Tahir Yavuz, Baskent University, Turkey
Title: Wind wave generation in finite depth
Anouchah Latifi, Qom University of Technology, Iran

Networking & Refreshments @ Sylt Foyer
Award Ceremony & Certificate Felicitation

Lunch Break @ Hotel Restaurant

Panel Discussion
2nd International Conference on
FLUID DYNAMICS & AERODYNAMICS
October 19-20, 2017  Rome, Italy
Keynote Forum

Title: Recent developments in accuracy and stability improvement of nonlinear filter methods for DNS and LES of compressible flows
H C Yee, NASA Ames Research Center, USA

Special Session

Title: LES predictions of self-sustained oscillations in round free jets
Andrzej Boguslawski & Artur Tyliszczak, Częstochowa University of Technology, Poland

Plenary Session

Title: Flow-sound interaction mechanisms during the resonance of trapped diametral modes in shallow cavities
Samir Ziada, McMaster University, Canada

Sessions: Fluid Dynamics | Microfluidics | Numerical Methods | Magneto Hydrodynamics | Heat Transfer System

Session Chair: Faik Hamad, Teesside University, UK
Session Co-chair: Tomoaki Kunugi, Kyoto University, Japan

Session Introduction

Title: The liquid-liquid and gas-liquid two-phase flow studies with and without heat transfer
Faik Hamad, Teesside University, UK
Title: Generation of Tollmien-Schlichting waves by free-stream turbulence
Maksim V Ustinov, TsAGI, Russia
Title: Wavy interface behavior and droplet entrainment of annular two-phase flow in rod-bundle geometry with spacers
Tomoaki Kunugi, Kyoto University, Japan
Title: Development of control systems of sintering processes in rotary tubular kilns on base 2D-modelling with using thermistor's scanning
I V Sharikov, Saint Petersburg Mining University, Russia

Lunch Break @ Hotel Restaurants

Title: Extreme computation of Stokes flow using axial Green function method on refined axial lines
Do Wan Kim, Inha University, South Korea
Title: Investigation on the internal two-phase flow induced vibration characteristics of the marine riser system
Qihui Hu, China University of Petroleum, China
Title: Two particle correlation in heavy-ion collisions using momentum kick
Jin-Hee Yoon, Inha University, South Korea
Title: Variational principles for topological non-barotropic fluid dynamics
Asher Yahalom, Ariel University, Israel
Title: Near-wall domain decomposition in turbulence modeling: Current state of the art and perspectives
Sergey Utyuzhnikov, University of Manchester, UK
Title: Mathematical analysis of the exterior problem of Navier-Stokes using weighted Sobolev spaces
Ulrich Razafison, Université de Bourgogne Franche-Comté, France

Networking and Refreshments Break @ Foyer
Title: Numerical simulation of the airfoils icing processes
Sergey V Alekseyenko, Oles Honchar Dnipro National University, Ukraine

Title: Droplet deformation and breakup in the shoulder region of an aerodynamic surface: Experimental characterization
Adelaida Garcia-Magarino, Isefe, Spain

Title: Traditional and innovative methodologies (UAV-based) for the study of the dynamics of atmospheric aerosols
R Alberto Bernabeo, Abu Dhabi University, UAE

Title: Reshaping the future of aircraft design
Emiliano Costa, RINA Consulting, Italy

Title: Design of an active fluidic injection system for jet noise reduction through a hybrid CFD-stochastic approach
Mattia Barbarino, CIRA, Italy

Panel Discussion
Day 2 October 20, 2017
Hall Name - Appia 1+2

Keynote Forum

Title: Simultaneous aerodynamic pressure measurements and modern structural design for wind
Emil Simiu, National Institute of Standards and Technology, USA

Title: Stable detonative combustion of hydrogen in a supersonic flow coming in a convergent – divergent nozzle
Yuri V Tunik, Research Institute for Mechanics of MSU, Russia

Sessions: Aero Dynamics | Aero Acoustics | CFD-Methodology | Thermo-Fluid Dynamics
Session Chair: Konstantinos Kontis, University of Glasgow, UK
Session Co-chair: I V Sharikov, Saint Petersburg Mining University, Russia

Session Introduction

Title: New meshless formulations for aeroacoustics and compressible aerodynamic computations
Xesús Nogueira, Universidade da Coruña, Spain

Title: CFD analysis and experimental tests of a fire safety pressurized smokeproof enclosure
Piergiacomo Cancelliere, Italian National Fire Rescue and Service – CNVVF – Rome, Italy

Networking and Refreshments Break @ Foyer

Title: Optimization analysis of the combinations of concentrator and wind turbine with flap in CFD
Tahir Yavuz, Başkent University, Turkey

Title: The features of the modeling the nanofluid flows
Valery Ya Rudyak, Novosibirsk State University of Architecture and Civil Engineering, Russia

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

Title: Computational fluid dynamic simulation of leakage acoustic waves propagation model for gas pipelines
Cuwei Liu, China University of Petroleum, China

Title: Anticipating of chaotic dynamics via schemes without time-delay terms
T Pyragiene, Center for Physical Sciences and Technology, Lithuania

Title: Aerodynamic characterization of new filters of bioaerosol for INTA investigation aerial platforms
Suthyvann Sor, INTA, Spain

Lunch Break @ Hotel Restaurants

Title: Flow structure in the vicinity of flapping elephants' pinnae and thermal implications
Moise Y Koffi, Hostos Community College, USA

Title: Missile-motion performance analysis of gas-steam launch system utilizing multiphase flow model and dynamic grid system
Hyun Muk Kim & Jeong Soo Kim, Pukyong National University, South Korea

Young Researchers Forum
Title: Finite-time blow-up for the 3-D primitive equations of oceanic and atmospheric dynamics  
Lin Zheng, Beijing University of Technology, China

Title: The boundary layer problem on the incompressible MHD system with non-characteristic Dirichlet boundary condition for velocity  
Na Wang, Beijing University of Technology, China

Title: An Investigation of heat transfer performance of rectangular plate-fin heat exchanger by using common flow up & common flow down configurations of vortex generators with different wings attack angle  
Seyfi Girgin, Istanbul Technical University, Turkey

Title: Blood Flow Analysis in presence of static magnetic field of 3.0 T  
J Alfredo Soto Á, University of Guanajuato, Mexico

Networking and Refreshments Break @ Foyer

Poster Presentations

Poster Judge: Piergiacomo Cancelliere, Italian National Fire Rescue and Service – CNVVF – Rome, Italy

| FAD 1 | Title: Power consumption of liquid atomization device by using rising film flow along a rotating cone and disk  
Yutaro Takahashi, Akita University, Japan |
| FAD 2 | Title: Pressure drop evaluation of heat exchanger model with disturbance promoters  
Satoshi Hotta, Akita University, Japan |
| FAD 3 | Title: Dynamic impact on a frozen support caused by natural and quasinatural oscillations of an ice plate  
Aleksei Greshilov, Lavrentyev Institute of Hydrodynamics of SB RAS, Russia |
| FAD 4 | Title: Bi-stability in turbulent wakes past 3D bluff bodies  
Luc R Pastur, ENSTA ParisTech, France |

Video Presentation

Title: Diffraction of shock waves  
R S Srivastava, Defence Science Centre, India

Panel Discussion

Awards & Closing Ceremony