



Scientific Program

3rd International Conference on **Fluid Dynamics & Aerodynamics**

October 25-26, 2018 | Berlin, Germany

UK: Conference Series LLC Ltd
47 Churchfield Road, London, W3 6AY
Toll Free: +1-800-014-8923



DAY-1

October 25, 2018

Meeting Hall: Sylt 3

08:00-09:00 Registrations

Opening Ceremony 09:00-09:25

KEYNOTE FORUM

09:25-09:30 Introduction

09:30-10:10 **Title:** Heat pipes with nanocomposites analysis and application

Leonard L Vasiliev, National Academy of Sciences of Belarus, Belarus

10:10-10:50 **Title:** Gas turbine flow characterization using non-intrusive acoustic measurements

Wing F Ng, Virginia Tech, USA

Networking & Refreshments 10:50-11:10 @ Sylt Foyer

GROUP PHOTO @ 11:10-11:20

11:20-12:00 **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

12:00-12:25 **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

12:25-12:50 **Title:** High-accurate meshless formulations for non-smooth compressible flows

Xesus Nogueira, University of A Coruna, Spain

12:50-13:15 **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 13:15-14:15 @ Hotel Restaurant

- 14:15-14:40** **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
- 14:40-15:05** **Title:** The modification of Ekman-Hartmann layer by the imposition of axial velocity
Satyanarayana Badeti, VIT - AP University, India
- 15:05-15:30** **Title:** Numerical investigation of fluidic active flow control on circular cylinder in transitional regime
Wasim Sarwar, Polytechnic University of Catalonia, Spain

VIDEO PRESENTATION

- 15:30-16:00** **Title:** Flow in curved pipes
R S Srivastava, Defence Science Centre, India

Networking & Refreshments 16:00-16:30 @ Sylt Foyer

Panel Discussion

DAY-2

October 26, 2018
Meeting Hall: Sylt 3

KEYNOTE FORUM

- 09:00-09:05** Introduction
- 09:05-09:45** **Title:** Aerodynamic implications for twin-wing aircraft at high altitudes
Ian R McAndrew, Capitol Technology University, USA
- 09:45-10:25** **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

Sessions: Aerodynamics | Biofluid Mechanics | Fluid Flow | Turbomachinery | Thermo-Fluid Dynamics | Numerical Methods

Chair: Ian R McAndrew, Capitol Technology University, USA

Co-Chair: Igor Palymskiy, Siberian State University of Telecommunications and Information Sciences, Russia

- 10:25-10:50** **Title:** Quasi-isentropic compressibility of deuterium at pressure region of ~12 Tpa
M A Mochalov, Russian Federal Nuclear Center, Russia

Networking & Refreshments 10:50:11:10 @ Sylt Foyer

11:10-11:35 **Title: Design of the concentrator – wind turbine combinations**
Tahir Yavuz, Baskent University, Turkey

11:35-12:00 **Title: Wind wave generation in finite depth**
Anouchah Latifi, Qom University of Technology, Iran

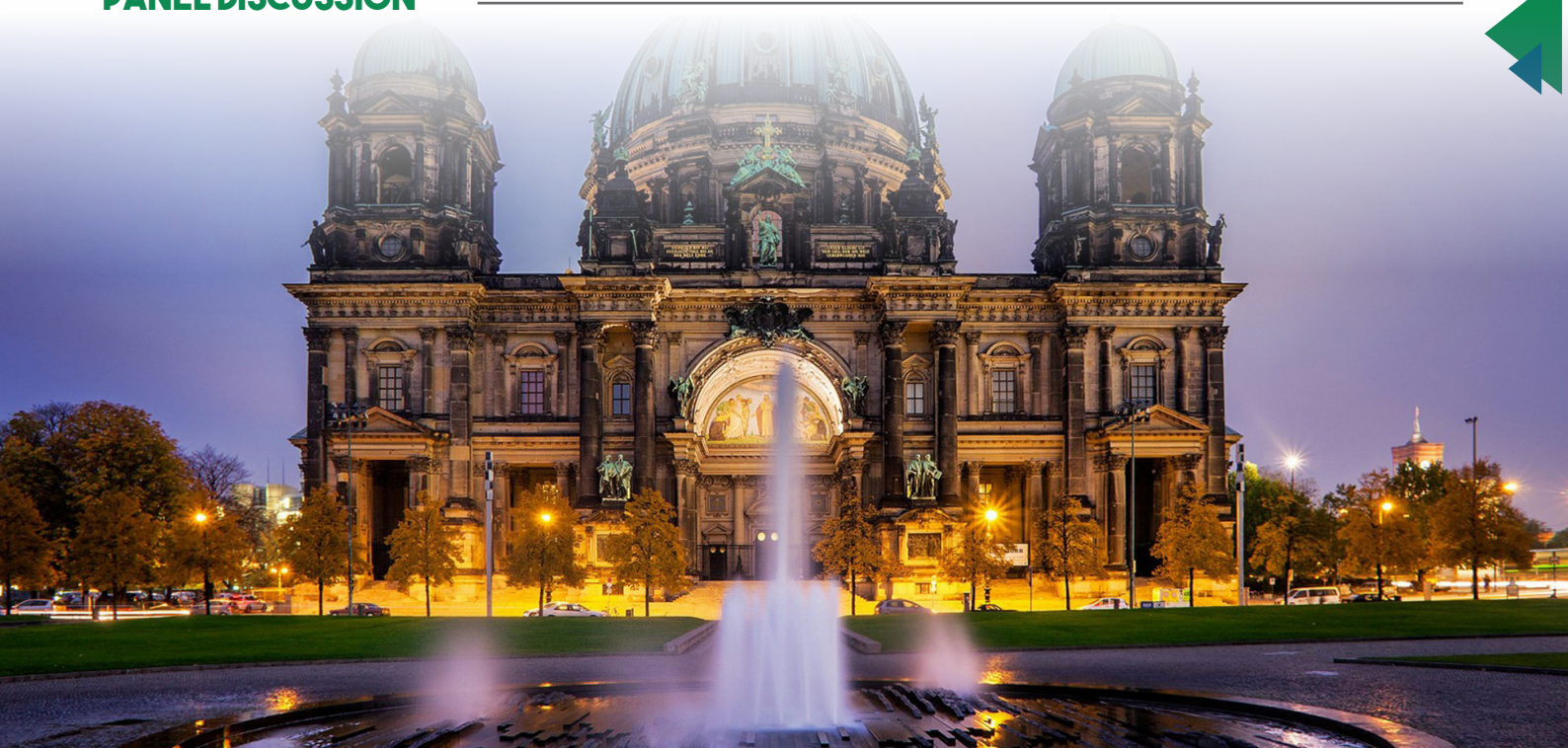
12:00-12:25 **Title: Rheological proprieties of bitumen: experimental squeeze flow test**
Amal Kraiem, University of Sfax, Tunisia

12:25-12:50 **Title: Extrudate swell under the effect of radial flow and intrinsic factors to the polymer upstream the die**
Hela Krir, University of Sfax, Tunisia

Award Ceremony & Certificate Felicitation: 12:50-13:15

Lunch Break 13:15-14:15 @ Hotel Restaurant

PANEL DISCUSSION



Bookmark your Dates

4th International Conference on **Fluid Dynamics & Aerodynamics**

November 14-15, 2019 | Madrid, Spain

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Website: fluid-aerodynamics.global-summit.com