Tentative Program

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3rd International Conference on

Fluid Dynamics & Aerodynamics

October 25-26, 2018 Berlin, Germany

Speaker Slots Available

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Fluid & Aerodynamics 2018 Invitation

October 25-26 | Berlin, Germany

Speaker Slots Available

Dear All,

We are extremely delighted to host the 3rd International Conference on Fluid Dynamics & Aerodynamics.

Fluid & Aerodynamics 2017 Italy Meet was highly successful & enriching and we aim for a bigger sky this time. The Fluid & Aerodynamics Series, over years, has become a successful site for the academic and industrial representatives from around the world, the theme of the conference is designed as such that it touches every nook and corner of the basic and advanced application of Fluid Dynamics, Aerodynamics and Fluid Mechanics.

We invite your participation for this mega scientific event set to happen in Berlin this year as we start to prepare the dais for a grand discussion with the theme "De-Freezing the Anomalies of Fluid Dynamics and Aerodynamics".

Regards

Organizing Committee
Fluid & Aerodynamics 2018 Germany

Speaker Slots Available



Fluid & Aerodynamics 2018 Germany conference calls for the newest and healthiest proposals for the Meet from researchers, industrial personnel and pioneering students.

This summit is designed to meet every nook and corner research topic related to the advancement in the research and development of Fluid Dynamics and Aerodynamics such as Fluid Mechanics related academicians, industrialists and researchers etc.

Organizing Committee

TRACK

Fluid Dynamics | Fluid Flow



Wing Ng

Professor, Virginia Polytechnic Institute and State University, USA

Biography:

Prof. Wing F. Ng (PhD MIT Gas Turbine Lab) holds the Chris Kraft Endowed Professorship of Mechanical Engineering at Virginia Tech. Throughout his career, he has won many awards for his teaching, research and entrepreneurial activities. He has 35 years of research experience in gas turbine aerodynamics & heat transfer, has received 5 ASME best paper awards, and is an active advisor for NASA and the US Air Force. In addition to his full-time faculty role, he owns an engineering and manufacturing company by the name of Techsburg, Inc.

TRACK

Turbomachinery | Hydraulics



Ian Robert McAndrew

Professor, Embry-Riddle Aeronautical University, USA

Biography:

Professor McAndrew has been working and researching in several universities for over 27 years and supervising PhD students since the late 1990s. He is a Conference Chair on several International Conferences and is frequently asked to deliver Keynote speeches every year all over the world. He is also the Editor of two international journals, associate editor for several more and have 57 peer reviewed journals and conference papers. He is also a Fellow of the Royal Aeronautical Society and Associate Dean of Research for Embry Riddle Aeronautical University.

TRACK

Microfluidics | CFD Methodology



Songgang Qiu

Professor, West Virginia University, USA

Biography:

Songgang Qiu has completed his PhD from University of Minnesota and continued postdoctoral studies for a year. He is a Professor of Mechanical Engineering at West Virginia University. He has served as the Principal Investigator for more than three dozen research projects. His research focus is in thermal-fluids, energy efficiency, energy conversion and energy storage.

TRACK

Aero-acoustics | Numerical Methods



Dimitris Drikakis

Professor, University of Starthclyde United Kingdom

Biography:

Prof. Dimitris Drikakis is Associate Principal & Executive Dean (Engineering) as well as Professor of Engineering Science. He joined Strathclyde in July 2015. He was previously Head of the Institute of Aerospace Sciences and Director of Research of the School of Aerospace, Transport and Manufacturing at Cranfield University. Prior to his position at Cranfield University, Professor Drikakis held positions at Queen Mary University of London, the University of Manchester and the University of Erlangen-Nuremberg, Germany.

Prof. Drikakis expertise is in fluid mechanics, computational fluid dynamics (CFD) and nanotechnology (fluid/material interface). He is active in both fundamental and applied research, including technology transfer to industry and research establishments.

He has received twice (2008 and 2011) the William Penney Fellowship Award by AWE Plc in recognition of his contributions to compressible fluid dynamics.

Prof Drikakis also received the 2014 Innovator of the Year Award by the Innovation Institute for a new generation carbon capture technology that uses carbon nanotubes for filtering out carbon dioxide and other gases at low or zero energy cost. This platform technology has the potential to be used across a wide range of applications in the power generation, automotive, aerospace, chemical, marine and built environment sectors.

The Faculty of Engineering is on an upward path of continued success and Prof Drikakis's vision is to build on the existing strengths and successes - making a significant contribution to further grow the activities and strengthen the Faculty's standing nationally and internationally.

Speaker Slots Available

Organizing Committee

TRACK

Heat Transfer System | Aerodynamics



Junhui Hu

Associate Professor, Nanjing University of Aeronautics and Astronautics, China

Biography:

Junhui Hu is a Chang-Jiang Distinguished Professor, China, the director of Precision Driving Lab at Nanjing University of Aeronautics and Astronautics, and the deputy director of State Key Laboratory of Mechanics and Control of Mechanical Structures, China. He received his Ph.D. Degree from Tokyo Institute of Technology, Tokyo, Japan, in 1997, and B. E. and M. E. degrees in electrical engineering from Zhejiang University, Hangzhou, China, in 1986 and 1989, respectively. Dr. Hu was an assistant and associate professor at Nanyang Technological University, Singapore, from 2001 to 2010. His research interest is in piezoelectric/ultrasonic devices. He is the author and co-author of more than 200 papers and disclosed patents, including more than 70 full papers published in SCI journals and 1 editorial review in an international journal. He is also the author of monograph book "Ultrasonic Micro/Nano Manipulations" (2014, World Scientific, Singapore). Dr. Hu won the Paper Prize from the Institute of Electronics, Information and Communication Engineers (Japan) as the first author in 1998, and his research work has been highlighted by 7 international scientific media. He is a senior member of IEEE, and the editorial board member of three international journals. He was once awarded the title of valued reviewer by Sensors and Actuators A: Physical and Ultrasonics. He has given eight invited talks at international conferences, and is the honorary chairman of IWPMA 2011, held in USA.

TRACK

Hydrodynamics | Aerodynamics Simulations



N. Swaminathan

Professor, University of Cambridge United Kingdom

Biography:

Swaminathan is a co-Investigator with Tanahashi and Miyauchi of the Tokyo Institute of Technology on research grants funded by JSPS and MEXT (GBP2.7M 2010-2015) and a member of the Advisory Panel for Global Centre for Excellence for Multidisciplinary Education and Research on Energy Science at the Tokyo Institute of Technology (2008-2013). Swaminathan also serves on the Advisory Board and as an International Cooperative Member of Academy for Co-creative Education of Environment and Energy Science at TokyoTech (2012-2017).

He holds a visiting Professorship at TokyoTech, Tokyo, 2010 – 2017.

TRACK

Biofluid Mechanics | Thermo-Fluid Dynamics



Jin Xuan

Assistant Professor, Heriot-Watt University United Kingdom

Biography:

Dr. Jin Xuan obtained his PhD degree in Mechanical Engineering from The University of Hong Kong in 2012. He was a visiting researcher in The University of Hong Kong and City University of Hong Kong during 2012-2014. In 2014, he moved his academic career to U.K., taking his current position in Heriot-Watt University.

TRACK

Turbine | Fluid Mechanics



Ronald So

Professor, The Hong Kong Polytechnic University, Hong Kong

Biography:

Ronald MC So received his BSc (Hons) from The University of Hong Kong in 1962, and was awarded a Commonwealth scholarship to study at McGill University in 1964 where he received his MEng in 1966. He then went to the US and received his MA and PhD in Aerospace and Mechanical Sciences from Princeton University in 1968 and 1971, respectively. He joined Union Camp Corporation in 1970 working on pulp and paper research. Shortly thereafter, he joined Rutgers University first as a Post-doctoral Fellow and then as a Research Assistant Professor in 1972 to work on problems related to atmospheric dispersion and pollution. He left Rutgers to join General Electric Research and Development Center (GE R&D) in 1976 to work on research and development in the areas of propulsion and power generation. In 1981, he left GE R&D to become an Associate Professor in the Department of Mechanical and Aerospace Engineering, Arizona State University (ASU). The following year he was promoted to Professor and remained there until 1996 when he took a two-year leave of absence to head the Mechanical Engineering Department at the Hong Kong Polytechnic University (HK PolyU). Since 1998, he has resigned from ASU to become Head of ME at HK PolyU. He retired from the Headship on 1 July 2005 but remained as Chair Professor until 1 July 2006. He was installed as Emeritus Professor of the University after retiring from Mechanical Engineering. Since 2008, he has been serving as Visiting Chair Professor in the Mechanical Engineering Department and the Building Services Engineering Department.

Speaker Slots Available

Conference Directory

October 25-26 | Berlin, Germany

Day 1: Opening Ceremony

• Registrations	Final attendance of the participants
• Introduction	Day 1 kicks off by Moderator's introductory speech
• Guest's Speak	Briefing the conference theme by Honorable Guest

Day 1 Sessions

• Keynote Bout	Talks covering the Theme of the Conference
• Coffee Break	Coffee and Candid shots of the Group
• Oral Session 1	Fluid Dynamics | Fluid Flow
• Special Session	A exclusive Exhibitor hosted session/Workshop for effective B2B chance
• Luncheon	Networking over Lunch
• Oral Session 2	Turbomachinery | Hydraulics
• Coffee Break	Post-lunch coffee break session for networking
• Oral Session 3	Case studies/General discussions

Day 2 Sessions

• Keynote Bout	Re-opening the day with Keynotes again
• Coffee Break	Coffee and Networking
• Oral Session 4	Turbine | Microfluidics
• Luncheon	Networking over Lunch
• Oral Session 5	CFD Methodology | Heat Transfer System
• Coffee Break	Post-lunch coffee break session for networking
• Poster Session	Accepted Poster presentations
• YRF Presentation	Selected Students' Oral Presentations
• Closing Session	Award Ceremony & Thank you note by Moderator
• Coffee Break	Coffee and Refreshments

Speaker Slots Available

PROVISIONAL PROGRAM

Tentative Speakers

Speaker Slots Available

Title: Aerodynamic implications for twin-wing aircraft at High Altitudes

Ian R. Mcandrew, Embry Riddle Aeronautical University, USA

Biography: Professor McAndrew has been working and researching in several universities for over 27 years and supervising PhD students since the late 1990s. He is a Conference Chair on several International Conferences and is frequently asked to deliver Keynote speeches every year all over the world. He is also the Editor of two international journals, associate editor for several more and have 57 peer reviewed journals and conference papers.

Title: Gas Turbine Flow Characterization Using Non-Intrusive Acoustic Measurements

W. F. Ng, Virginia Tech, USA

Biography: Prof. Wing F. Ng (PhD MIT Gas Turbine Lab) holds the Chris Kraft Endowed Professorship of Mechanical Engineering at Virginia Tech. Throughout his career, he has won many awards for his teaching, research and entrepreneurial activities. He has 35 years of research experience in gas turbine aerodynamics & heat transfer, has received 5 ASME best paper awards, and is an active advisor for NASA and the US Air Force. In addition to his full-time faculty role, he owns an engineering and manufacturing company by the name of Techsburg, Inc..

Title: Clean Energy for Cooling and Heating with Ground Source Heat Pumps

Abdeen Mustafa Omer, Energy Research Institute (ERI), UK

Biography: Abdeen Mustafa Omer (BSc, MSc, PhD) is an Associate Researcher at Energy Research Institute (ERI). He obtained both his PhD degree in the Built Environment and Master of Philosophy degree in Renewable Energy Technologies from the University of Nottingham. He is qualified Mechanical Engineer with a proven track record within the water industry and renewable energy technologies. He has been graduated from University of El Menoufia, Egypt, BSc in Mechanical Engineering.

PROVISIONAL PROGRAM

Tentative Speakers Speaker Slots Available

Title: Heat Exchangers Technology And Applications In Heat Exchanger Engineering

Abdeen Mustafa Omer, Energy Research Institute (ERI), UK

Biography: Abdeen Mustafa Omer (BSc, MSc, PhD) is an Associate Researcher at Energy Research Institute (ERI). He obtained both his PhD degree in the Built Environment and Master of Philosophy degree in Renewable Energy Technologies from the University of Nottingham. He is qualified Mechanical Engineer with a proven track record within the water industry and renewable energy technologies.

Title: Aerodynamic characteristics of super-tall buildings and pedestrian-level winds

Yukio Tamura, Tokyo Polytechnic University, Japan

Biography: Professor Tamura is working for Chongqing University, China, and concurrently serving as Honorary Director of the Wind Engineering Research Center of Tokyo Polytechnic University, Japan. He has received awards/prizes including the 2004 ASCE Jack E. Cermak Medal, the 2016 ASCE Robert H. Scanlan Medal and the 2016 IAWE Alan G. Davenport Medal for his research activities, and the 2015 JAWE Design Award for his contribution to wind resistant design of the 634m-high Tokyo Sky Tree. He is currently a member of the Engineering Academy of Japan (EAJ).

Title: High-accurate meshless formulations for non-smooth compressible flows

Xesús Nogueira, University of A Coruña, Spain

Biography: Xesús Nogueira has his expertise in Computational Fluid Dynamics. He earned his Ph.D. degree from University of A Coruña, Spain in 2009. He was Visiting Professor during the period 2011-2012 at Arts et Métiers ParisTech, France, and he is currently an Associate Professor in the Civil Engineering School at University of A Coruña. His research interests is focused on computational fluid mechanics, in particular high-order methods for compressible and incompressible flows.

PROVISIONAL PROGRAM

Tentative Speakers Speaker Slots Available

Title: About convection stability of the gas-vapor mixture at the temperature close to critical

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

Biography: Prof. Igor Palymskiy completed his Dr. Sc. in the year 2012 from Perm University. Now he is the Professor of Physics Department of Siberian State University of Telecommunications and Information Sciences, Novosibirsk city, Russia. He has published more than 80 papers in reputed journals. He is expertise in area of numerical methods, convection of homogenious media and gas with chemical reactions.

Title: Quasi-Isentropic Compressibility of Deuterium at Pressure Region of ~12 TPa

Mikhail A. Mochalov, Russian Federal Nuclear Center, Russian Federation

Biography: Mikhail A. Mochalov has the Sc. D. degree in physics and mathematics. He is a high-quality expert in experimental investigations of thermal physical properties for plasma of cryogenic liquids (such as nitrogen, argon, krypton, and xenon), gaseous helium and deuterium at shock compression and quasi-isentropic compression in the megabar range of pressures. His obtained data are well-known in Russia and other countries. The data are unique and correspond to the world level of investigations in physics of high energy densities.

Title: Investigation of flow dynamics in microcavities with different inlet types

Paulius Vilkinis, Lithuania energy institute

Biography: Martin Finsterbusch has his expertise in developing ceramic based cells and components for future electrochemical energy conversion and storage. Majoring in Physics and Material Sciences, he pursued his PhD in the field of solid oxide fuel cells, investigating the degradation behavior via synchrotron based analysis methods.

PROVISIONAL PROGRAM

Tentative Speakers Speaker Slots Available

Title: Characterization of Double-Side Sliding Pulsed Dielectric Barrier Discharge for Aerodynamic Flow Control

Borui Zheng, Xi'an University of Technology, China

Biography: Borui Zheng has his expertise in plasma flow control and passion in active flow control of UAV, aircraft icing mitigation and asymmetric vortices over slender bodies at high angles of attack. He proposes a new flow control method to control the asymmetric vortices by large area of controllable disturbance induced by a double-side sliding pulsed dielectric barrier discharge.

Title: The Electroosmotic Flow of Non-Newtonian Fluid in a Cylindrical microcapillary for High Zeta Potential

DENG Shuyan, Guangdong University of Petrochemical technology, China

Biography: Deng Shuyan obtained her PhD degree from City University of Hong Kong at age 27 and has her expertise in theoretical and numerical investigation of electrokinetic flow for non-Newtonian fluids. Her study on power-law fluids flows serve as the theoretical guide for the design and optimization of microfluidic devices such as electrokinetic micropumps and electrokinetic micromixers.

Title: Characteristics of near-surface discharge plasma actuation driven by radio frequency voltage and its control effect on supersonic flow

Huimin Song, Air Force Engineering University, China

Biography: Huimin Song is an associate professor in Science and Technology on Plasma Dynamics Laboratory, Air Force Engineering University, China. Song has obtained her doctor degree from Air Force Engineering University in 2003. Song has her expertise in gas discharge plasma and its control effect on subsonic or supersonic flow. Her research interest is plasma flow control. Her research results on nanosecond-pulse discharge plasma actuation enlarged the velocity range of effective flow separation control.

PROVISIONAL PROGRAM

Tentative Speakers

Speaker Slots Available

Title: Developing Large-Eddy Simulation of Turbulent Dispersed Two-Phase Flows and Combustion

Lixing Zhou, Tsinghua University, China

Biography: Professor Lixing Zhou in the Department of Engineering Mechanics, Tsinghua University, Beijing, China, got his Ph.D. degree from the Leningrad Polytechnic University, former USSR in 1961. His main research fields are multiphase turbulent flows and combustion. He published two monographs in English and 5 monographs in Chinese, more than 300 technical papers in periodic journals.

Title: Experimental Study on Nanosecond Pulsed Pin-to-Plate Discharge in Supersonic Air Flow

Yiwen LI, Air Force Engineering University, China

Biography: Yiwen LI, a postdoctoral fellow at Northwestern Polytechnical University, is currently a Lecturer at the National Key Laboratory of Aerospace Plasma Dynamics, Air Force Engineering University, and is also a Master's tutor. Main research direction: Hypersonic Magnetohydrodynamics Technology. He is responsible for 5 fund projects of the National Natural Science Foundation of China, China Postdoctoral Science Fund, Shaanxi Provincial Natural Science Fundamental Research Project, etc.

Title: Influence of counterflow vortex motion gas and droplet flows on the intensification of mass transfer processes

Vsevolod I. Sklabinskyi, Sumy State University

Biography: Vsevolod I. Sklabinsky works as the head of the department "Processes and equipment of the department of chemical and oil refineries" - the department of the Sumy State University. For more than 45 years of work (since 1966) a scientific school has been established that actively maintains close contacts with universities of Ukraine, foreign universities and foreign research institutions.

PROVISIONAL PROGRAM

Tentative Speakers Speaker Slots Available

Title: El Nino Type Effects on the Global Weather and Climate

Marat Akhmet, Middle East Technical University

Biography: Marat Akhmet is a professor of mathematics at Middle East Technical University (Ankara, Turkey) known for his research on the chaos and bifurcation theory in differential equations and hybrid with applications in physics, neural networks, medicine and economics. He received his doctorate at Kiev University. He has been awarded a Science Prize of TUBITAK (Turkey, 2015), for best achievements in scientific research.

Title: Enhancing Aerodynamic Efficiency of Golf Ball by employing various Dimple Designs

ZAHEER ABBAS, National University of Science and Technology

Biography: Zaheer Abbas completed his BE Aerospace from College of Aeronautical Engineering (National University of Engineering & Technology) in 2010. He is currently undergoing MS in Aerospace Engineering from National University of Engineering & Technology.

Title: Vibration and stability of a viscoelastic plate in a supersonic gas flow

Bakhtiyar A. Khudayarov, Tashkent institute of irrigation and agricultural mechanization engineers

Biography: Deanna Mulvihill has her expertise in evaluation and passion in improving the health and wellbeing. Her open and contextual evaluation model based on responsive constructivists creates new pathways for improving healthcare.

PROVISIONAL PROGRAM

Tentative Speakers Speaker Slots Available

Title: Effect of aspect ratio and gap ratio on flow around two side-by-side cylinders using lattice Boltzmann method

Hamid Rahman, Bacha Khan University

Biography: Dr. Hamid Rahman has completed his PhD in Mathematics from COMSATS Institute of Information Technology, Islamabad, Pakistan under the supervision of Dr. Shams-ul-Islam. The title of my PhD thesis was “A Numerical Study of Flow Past Bluff Bodies in Tandem and Side-By-Side Arrangements Using the Lattice Boltzmann Methods”.

Title: Reduction of Run-up Height Induced by Tsunami-like Long Wave Using Three Submerged Barriers

Wong Wei Ying, National Chung Hsing University, Taiwan

Biography: Wei-Ying Wong has her passion in fluid dynamics and PIV flow measurement on water waves. Her dedication on detailed flow measurement has provided insights for researchers who work on theoretical analysis and numerical simulation.

Title: Feasibility of Simulating External Vehicle Aerodynamics using Spalart-Allmaras Turbulence Model with Adjoint Method in OpenFOAM and Fluent

Arpit A. Panwar, Veermata Jijabai Technological Institute

Biography: Arpit Panwar has completed his M.Tech in Automobile Engineering from VJTI, Mumbai, India in 2017. He scored 2nd rank in his branch. He is currently appointed as Assistant Professor at Marwadi University, Rajkot, India. He has worked on external vehicle body design of a saloon in Solidworks.

PROVISIONAL PROGRAM

Tentative Speakers Speaker Slots Available

Title: Experimental Study on EHD Heat Transfer Enhancement of Thermal Systems

Amin Alami nia, Tabriz University

Biography: Amin Alami nia has his expertise in experimental investigation on EHD heat transfer enhancement of thermal systems. Ph.D. from Tabriz University, Ms.c. from Sharif University of technology. Areas of interests are: -Experimental Investigation and its Applications in Heat Transfer and Fluid Mechanics with Design and Made of Apparatus, Numerical Simulation and its Applications in Heat Transfer and Fluid Mechanics.

Title: Boundary layer flow of a nanofluid over a stretching sheet with variable Brownian and thermophoretic diffusion coefficients.

Mitiku Daba, Jimma University

Biography: Dr. Mitiku is an Assistant Professor at Jimma University, College of Natural Sciences, Department of Mathematics with over 10 years of experience in teaching and research at the department. He has a research interest in the field of Fluid Mechanics especially in the area of boundary layer theory, heat and mass transfer.

Title: A generalization of set-valued Presic–Reich type contractions in ultrametric spaces with applications

Ramesh Kumar, University of Madras

Biography: D. Ramesh Kumar is a Research Scholar at Ramanujan Institute for Advanced Study in Mathematics, University of Madras, India. His research interests are in the areas of pure and applied mathematics including fixed point theory and applications, nonlinear analysis. He has published research articles in reputed international journals of mathematical sciences. He is referee of some mathematical journals.

PROVISIONAL PROGRAM

Tentative Speakers Speaker Slots Available

Title: Structural, micro-structural and kinematic analyses of channel flow in the Karmostaj salt diapir in the Zagros foreland folded belt

Khalil Sarkarinejad, Shiraz University

Biography: Khalil Sarkarinejad is professor of microstructural geology at the Department of Earth Sciences, Shiraz University. His Research deals mainly with the kinematics of quartz deformation of the Thick skinned involved-basement of the Iranian micro-continent along the Zagros Thrust System; estimation pure shear and simple shear components based on the kinematic vorticity number calculations.

Title: Vorticity analysis in the Zagros Foreland Fold-and-Thrust Belt

Khalil Sarkarinejad, Shiraz University

Biography: Khalil Sarkarinejad is professor of microstructural geology at the Department of Earth Sciences, Shiraz University. His Research deals mainly with the kinematics of quartz deformation of the Thick skinned involved-basement of the Iranian micro-continent along the Zagros Thrust System; estimation pure shear and simple shear components based on the kinematic vorticity number calculations.

Title: Flow in Curved Pipes

R.S. Srivastava, Formerly of the Defence Science Centre

Biography: Dr. Asif Mahmood has expertise in the synthesis of inorganic/polymeric membranes for chemical and electrochemical membrane reactors. He developed the cathode materials for solid oxide electrolysis cells which are extremely active for steam and carbon dioxide electrolysis and showed good resistant to carbon deposition.

PROVISIONAL PROGRAM

Tentative Speakers

Speaker Slots Available

Title: The Scaling Problem Of Oxide Materials Hydrothermal Synthesis For Various Autoclave Reactors With Considering Natural Convection

Iurii Sharikov, Saint Petersburg Mining University, Russia

Biography: I V Sharikov graduated from the Technological University, St-Petersburg , in 1958. Diploma qualification is "chemical engineer-technologist"_ In 1961 he entered a post-graduate course in the same Technological University, department of Physical Chemistry. In 1965 he presented a dissertation work and got Ph. D (Physical Chemistry), in field of chemical kinetics and mass transfer phenomena.

Title: 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, NSTU, Russia

Biography: Dr. Vladimir Zhukov is an Associate Professor at Novosibirsk State Technical University (since 1998). He graduated from the Department of Physics of Novosibirsk State University with a Speciality in Physics in 1982. He worked as an ngineer at Novosibirsk Branch of the Chemical, Engineering Design Institute (1982-1993). He received his Ph.D. in Engineering Sciences (Kutateladze Institute of Thermophysics SB RAS) in 1991. To date, he has published 26 papers in journals in the field of science and technology.

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

Gernot Boiger, Zurich University of Applied Sciences, Switzerland

Biography: Gernot K. Boiger completed his PhD in the year 2009 at the age of 30 years from University of Leoben, Austria. He is a senior lecturer as well as head of research area of Multiphysics Modeling at the Institute of Computational Physics, Zurich University of Applied Sciences. He has published more than 15 papers in reputed journals and has been serving as an editorial board member and section editor of the International Journal of Multiphysics.

PROVISIONAL PROGRAM

Tentative Speakers

Speaker Slots Available

Title: Effect of curvature ratio on heat transfer performance of CNT nanofluid flowing through helical coils under laminar flow conditions

Babita Sharma, Guru Gobind Singh Indraprastha University

Biography: Babita submitted his Ph.D. thesis (August 2018) at the age of 29 years from Guru Gobind Singh Indraprastha University, New Delhi, India. She is working on nanofluids for industrial heat transfer applications. She has published more than 5 reseach papers in reputed journals and 2 online proceedings in international conferences. She is interested in PostDoctral study.

Title: DESIGN OF THE CONCENTRATOR –WIND TURBINE COMBINATIONS

Tahir Yavuz, Baskent University, Turkey

Biography: Tahir Yavuz's academic career ; BSc in Mechanical Engineering, Karadeniz Technical Univ. Turkey, PhD in Aeronoutical Engineering, Leicester University, England. Worked at Erciyes and Karadeniz Technical Universities, Turkey. Currently working as a full time professor at Baskent University, Turkey. Interested in bluff body aerodynamics, renewable energies such as wind energies and wind turbines. Developed a high performance wind turbine blades such as airfoil with slatt arrangements..

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

Biography: Moise Koffi completed his PhD in the year of 2014 from the City University of New York-Graduate Center. He is an Assistant Professor and Engineering Coordinator in the Mathematics Department of CUNY-Hostos Community College. He is the author of several publications and conference presentations in reputed journals. His investigation model is based on Computational Fluid Dynamics (CFD) for the analysis of flow parameters and local surface thermal characteristics in the vicinity of flat and rotating devices. His research explores new locomotion and cooling techniques used in microelectronic applications as well as biological systems.

PROVISIONAL PROGRAM

Tentative Speakers

Speaker Slots Available

Title: Geometric parameters study of windmill cascade for low Reynolds number

Mdouki Ramzi, Tebessa university

Biography: Mdouki Ramzi completed his PhD in the year 2014 at the age of 40 years from Batna University. He is an Assistant Professor in Tebessa University, a director of laboratory of Energetic and Turbomachinery. He has published more than 13 papers in reputed journals and has been serving as an editorial board member of repute. His research field is turbomachines, fluid mechanic, CFD and renewable energy.

Title: An Example of Pipeline Supply Systems

Deniz Ulusarslan, Yildiz Technical University, Turkey

Biography: Deniz Ulusarslan completed her PhD in the year 2003, fromYildiz Technical University.She has published 12 papers in reputed journals and has been serving as an editorial board member of repute. She is teaching Heat Transfer, Solar Energy, Fluid Mechanics, Processes Technics in Y.T.U.

Title: Simulation of non-Newtonian flow in the shot sleeve of semi-solid die casting processes

Roudouane Laouar, University of Larbi Tebessi

Biography: I completed my PhD in the year 2014 at the age of 41 years from KASSEL University/Germany. The subject of my thesis is: Analysis and numerical simulation of free surface waves in the casting Chamber of a high pressure die casting process. Before that I obtained the Engineer degree from the university of Constantine/ Algeria. Actually, I work as lecturer in Larbi Tebesssi University/Algeria, department of mechanical engineering.

PROVISIONAL PROGRAM

Tentative Speakers

Speaker Slots Available

Title: Impact of partial slip on MHD non-aligned stagnation point flow of Casson fluid over a stretching sheet

Prashanta Kumar Mandal, Indian Institute of Technology

Biography: Prashanta Kumar Mandal completed his M.Sc in the year 2013 at the age of 25 years and M.Phil in the year 2014 at the age of 26 years from Indian School of Mines, Dhanbad, India. He is a senior research fellow in the Department of Applied Mathematics, Indian Institute of Technology (Indian School of Mines), Dhanbad, India. He joined the department to do research work leading to Ph.D degree in the year 2014.

Title: Rheological proprieties of bitumen: Experimental squeeze flow test

Amal Kraiem, University of Sfax

Biography: Amal Kraiem has obtained her Electromechanical Engineering Diploma in 2014. Currently she is a PhD Student at the unit of Computational Fluid Dynamic and Transfer Phenomena (CFDTP) in the Department of Mechanics at the National Engineering School of Sfax, Tunisia under the supervision of Prof Abdelhak Ayadi .She has participated in two conferences: one is international and the other is national. She taught courses at the National Engineering School of Sfax, Tunisia.

Title: Extrudate swell under the effect of radial flow and intrinsic factors to the polymer upstream the die

Hela Krir, University of Sfax

Biography: Hela Krir has obtained her Materials Engineering diploma in 2016. Actually, she is a PhD student at the unit of Computational Fluid Dynamics and Transfer Phenomena in the department of Mechanics at the National Engineering School of Sfax, Tunisia under the supervision of Prof. Abdelhahak Ayadi and Prof. Chedly Bradaii.

PROVISIONAL PROGRAM

Tentative Speakers

Speaker Slots Available

Title: Study on unsteady characteristics of secondary flow in volute of a high specific speed centrifugal pump

Tao Liu, Zhejiang University of Technology

Biography: Liu Tao is studying his master's degree at the Zhejiang University of Technology. He is good at using CFD technology to study the flow characteristics of centrifugal pump

Title: Wind wave generation in finite Depth

Anouchah Latifi, Qom University of Technology

Biography: Anouchah Latifi completed his PhD in the year 1991 from Montpellier University-France. After passing several years in reputed institutions in USA, Belgium, France and many other countries, he is now attached to the Qom University of Technology in Iran and is the founder and organizer of the yearly Iranian Mathematical Physics Conferences. He is expertise in nonlinear coupled waves, nonlinear evolution equations and integrability. He has also many activities in solar energy and environmental projects.

Title: Lattice Boltzmann Study on Viscous and Inertial Effects on Liquid-gas Flow in Porous Media

Shurong Lei, University of Nottingham Ningbo China

Biography: Shurong Lei is a PhD candidate at University of Nottingham Ningbo China, who gained her Bachelor and Master Degrees from Shandong University. Her current research focuses on multiphase flows and heat transfer in porous media with applications to thermal management of electric vehicles.

PROVISIONAL PROGRAM

Tentative Speakers

Speaker Slots Available

Title: The use of the balanced beam tube viscometer for the rheological characterisation of particulate suspensions

Paul T Slatter, Sheridan College, Perth, Australia.

Biography: Initiated the Flow Process and Rheology Centre at the Cape Peninsula University of Technology, Cape Town, South Africa. Moved to Melbourne, Australia, and became Director of the Rheology and Materials Processing Centre at RMIT University, where he expanded their activities internally and internationally, attaining international recognition in a significant number of strategically important areas. Actively involved in Pipeline and Flow Process Research and Consulting for the past 30 years.

Title: A coupled CFD-DEM immersed boundary method for solid-liquid two-phase flows with emphasis on sedimentation benchmarks

Khuram Walayat, Peking University

Biography: Khuram Walayat received his B.Sc. (major in Mathematics and physics) (2006) and M.Sc. Mathematics (2008) degrees from University of the Punjab Lahore, Pakistan. He gets his second master's degree in Mathematical Modeling and Scientific Computing (2014) from Air University Islamabad, Pakistan. Currently he is working with Professor M. B. Liu as a PhD student at College of Engineering, Peking University. His research interests are Particulate flows, Fluid solid interaction and Heat transfer in two-phase flows.

Title: Spatially and temporally adaptive multi-scale three dimensional direct simulation Monte Carlo for modeling gas flows in micro devices

Mirvat Shamseddine, American University of Beirut

Biography: Mirvat Shamseddine is currently in her fourth year of her PhD studies in the Mechanical Engineering Department at the American University of Beirut (AUB). She received her diploma in physics "Maitrise en Sciences" from the Lebanese University in Hadath, Lebanon in June 2008, and her Master degree in Physics from AUB in February 2012. Her research interests are in the area of applied physics, fluid dynamics, and microfluidics.

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Title: Electrokinetic transport of power law fluid through a thin channel with hydrodynamic slippag

Ainul Haque, Indian Institute of Technology Roorkee

Biography: Pursuing Ph.D. from Indian Institute of Technology Roorkee.

Title: Experimental and Numerical Study on the Unsteady Flow Characteristics of Supersonic Fluidic Oscillator

Sang Hoon Park, Korea Aerospace University

Biography: Sang Hoon Park received his BS degree in the mechanical engineering from Hanseo University in 2013 Republic of Korea. And He received his MS degree in the department of aerospace and mechanical engineering from Korea Aerospace University in 2015, Republic of Korea. He is presently a PhD candidate in the university. His current research topics include supersonic fluidic oscillator, fluidic thrust vector control, supersonic abrasive technique and Schlieren visualization technique.

Title: The Modification of Ekman-Hartmann Layer by the Imposition of Axial Velocity

Satyanarayana Badeti, VIT-AP UNIVERSITY

Biography: Satyanarayana Badetil completed his PhD from VIT University, India under the guidance of Dr Somaraju Vempaty. Presently he is working at VIT-AP University, Amaravati, Andhra Pradesh, India in the department of Mathematics.

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Title: RANS MODELLING OF PLANETARY BOUNDARY LAYERS: EDDY MIXING AND GLOBAL INTERMITTENCY OF TURBULENCE

Albert F Kurbatskii, Novosibirsk State University

Biography: Pursuing Ph.D. from Novosibirsk State University.

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Berlin is the capital and the biggest city of Germany and in addition one of its 16 constituent states. With a populace of around 3.7 million, Berlin is the second most crowded city

appropriate in the European Union and the seventh most crowded urban range in the European Union. Situated in north eastern Germany on the banks of the waterways Binge

and Havel, it is the focal point of the Berlin-Brandenburg Metropolitan Locale, which has about 6 million inhabitants from more than 180 countries. Because of its area in the

European Plain, Berlin is impacted by a calm occasional atmosphere. Around 33% of the city's region is made out of woodlands, parks, gardens, waterways, channels and lakes.

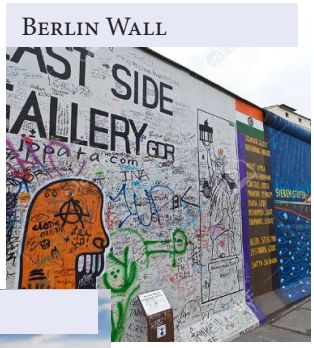
The city has four open research colleges and more than 30 private, expert, and specialized

schools (Hochschulen), offering an extensive variety of orders. A record number of 175,651 understudies were selected in the winter term of 2015/16.Among them around 18% have a universal foundation.

Berlin 2018


Spree


Museum Island

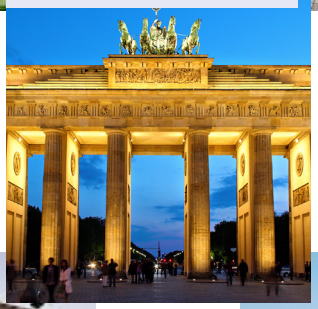


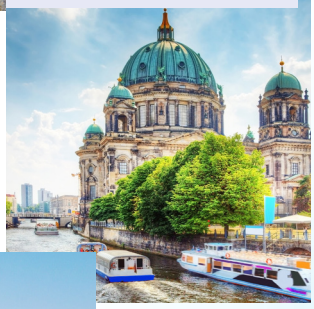
Berlin Wall

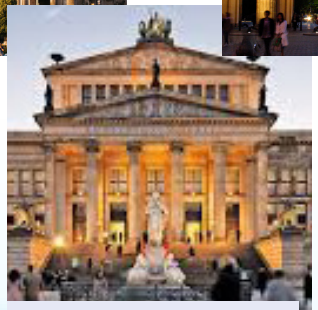

Berlin Victory Column

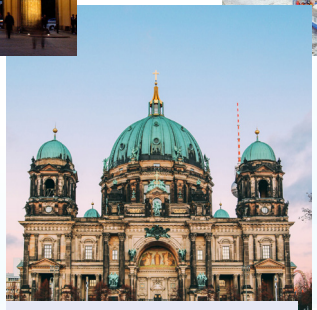

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