



FLUID MECHANICS GROUP (FMG)

Departments of Mathematics,
Quaid-I-Azam University & International Islamic University,
Islamabad, PAKISTAN

7th INTERNATIONAL CONFERENCE ON “RECENT DEVELOPMENTS IN FLUID MECHANICS & ENVIRONMENTAL SCIENCE”

February 13-15, 2018

Objectives

Fluid Mechanics is one of the most important subjects of human interest. To be more specific, it encompasses aerodynamics, hydrodynamics, magnetohydrodynamics, vortex dynamics, gas dynamics, computational fluid dynamics (CFD), convection heat transfer, flows of turbomechanical, acoustics, biofluids, oceanography, meteorology, glaciology, geomagnetism, continental drift, mantle convection, atmospheric dynamics, wind engineering and the dynamics of multi-phase flows. It is now well-known that modern design of aircraft, spacecraft, automobiles, ships, land and marine structures, power and propulsion systems etc is not possible without a knowledge of relevant fluid mechanics. The conference provides a forum to advance the frontiers of knowledge, cross fertilization of ideas and removes the isolation among the scientists. It helps the researchers in exchanging the ideas for the diverse disciplines and in consolidation of research collaboration with the leading foreign investigators. This conference seeks diversity by being concerned with a variety of disciplines including mathematical, engineering, biological, medical, environmental, industrial, geophysical and other

sciences. The influential topics will cover a wide spectrum of subjects including peristalsis, blood flow, gliding motility of bacteria, mathematical modeling, mathematical methods, industrial and environmental heat and mass transfer, environmental pollution management, nanomaterial synthesis, solar cell assembly, solar energy materials, material characterization, energy and water resources, climate change thermodynamics, systems ecology and nano fluid modeling. Emphasis will be given to the original research contribution on mathematical modeling, analytical approaches and numerical techniques, simulations for more accurate descriptions, predictions, experimental observations and applications of nonlinear phenomena in science and engineering. The conference will provide a place to researchers for the rapid exchange of ideas and techniques in nonlinear science and complexity. It will be a source of motivation for young scientists and research students to interact with leading authorities in the subject. The conference will provide a bridge between R & D scientists and the university teachers for a better and homogeneous growth of the subject in the country.

International & National Advisory Committee/Speakers

B. Straughan (UK), Xiangke Wang (China), Bin Chen (China), Abdul Wahab (South Korea), W. Wu (Austria), Y. Wang (Germany), C. Fetecau (Romania), D. Vieru (Romania), S. J. Liao (China), H. Xu (China), G. Unal (Turkey), M. Turkyilmazoglu (Turkey), S. Momani (Jordan), Z. Liu (USA), S. Abbasbandy (Iran), Jixing Li (China), Delin Fang (China), Yating Liu (China), F. M. Mahomed (South Africa), A. H. Kara (South Africa), O. D. Makinde (South Africa), M. Ayub (QAU), S. Nadeem (QAU), M. Khan (QAU), A. Mehmood (IIU), K. Maqbool (IIU), A. Zeeshan (IIU), A.A. Khan (IIU), M. Mustafa (NUST), M. Imtiaz (UoW), N. S. Akbar (EME), S. A. Shahzad (CIIT), R. ul Haq (BU), M. Qasim (CIIT), Z. Abbas (IUB), I. Ahmad (AJKU), R. Naz (IST), M. Nawaz (IST), M. Awais (CIIT), M. Javed (IST), S. Hina (FJWU), M. Farooq (RIU), Niaz Bahadur Khan (Malaysia), M. Wakeel (BZU), A. Wahid (BZU), M. Mushtaq (UET), W. A. Khan (HU), K. Saifullah (BZU), N. A. Khan (KU), T. Ahmed (UET), T. Muhammad (WCU)

Organizing Committee

1. Dr. Saleem Asghar (CIIT)
2. Dr. Tasawar Hayat (Convener) (QAU)
3. Dr. Muhammad Sajid (IIU)
4. Dr. Rahmat Ellahi (IIU)
5. Dr. Nasir Ali (IIU)
6. Dr. Tariq Javed (IIU)
7. Dr. Rab Nawaz (CIIT)
8. Dr. Fahad Munir Abbasi (CIIT)
9. Dr. Q. M. Zaigham Zia (CIIT)
10. Mr. Muhammad Waqas (QAU)
11. Mr. Muhammad Ijaz Khan (QAU)
12. Mr. M. Waleed Khan (QAU)

Registration

To get registered for participation in the conference, the prescribed form should reach the program coordinator by January 15, 2018. The conference is open to University/College faculty, Scientists from research organizations and the students (M. Sc, M. Phil/MS or PhD). Local hospitality will be provided to all the participants. Registration is on first come first register basis. The registration form may be requested and submitted by an email through **Mr. M. Ijaz Khan** at fmgconference@gmail.com.

Call for Papers

The interested speakers are requested to submit the abstract of their talks by **January 15, 2018**. The duration of the talk will be 30 minutes.

Sponsors

