



IUTAM SYMPOSIUM ON BLUFF BODY FLOWS



December 12-16, 2011

IIT Kanpur, India

<http://www.iitk.ac.in/blubof2011>



SECOND ANNOUNCEMENT AND CALL FOR ABSTRACTS



IUTAM Symposium on **Bluff Body Flows**

The Symposium will take place over five days, starting on Monday, 12 December 2011 and ending on Friday, 16 December 2011. It will consist of single plenary sessions with invited lectures (40 minutes), oral presentations (20 minutes), poster presentations (3 minutes), and discussions on special topics. Selected papers from the conference will be invited to be published in a special issue of [Journal of Fluids and Structures](#).

❖ SCOPE OF CONFERENCE

Bluff body flows are very important for Engineering flows as well as form building blocks for understanding basic fluid mechanics. In the past few decades very significant progress has been made in the understanding bluff body flows for stationary as well as vibrating bodies. While experiments at very large Reynolds numbers have been conducted, the theoretical and computational studies are generally restricted to low/moderate Reynolds numbers. One of the aims of the meeting is to bring together people working with Experimental and Theoretical/Computational tools. The topics that are covered include (but not restricted to) various aspects of bluff body flows:

- Near and far wakes
- Stability of wakes
- Shear layer and wake modes
- Vortex induced vibrations
- Forced vibrations
- Vortex induced vibrations at very high Re
- Control of wakes
- Drag reduction
- Numerical techniques
- High performance computing
- Experimental methods.

All submitted papers will be peer reviewed under the coordination of a scientific advisory panel. Various keynote speakers will deliver special lectures.



❖ KEYNOTE SPEAKERS

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|-------------------------|---|
| ○ Jaywant H. Arakeri | Indian Institute of Science, Bangalore, India |
| ○ Kerry Hourigan | Monash University, Australia |
| ○ Patrick Huerre | Ecole Polytechnique, France |
| ○ George Em Karniadakis | Brown University, USA |
| ○ CHK Williamson | Cornell University, USA |

❖ SCIENTIFIC COMMITTEE

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|------------------|---|
| ○ Sanjay Mittal | IIT Kanpur, India |
| ○ Gautam Biswas | IIT Kanpur, India |
| ○ CHK Williamson | Cornell University, USA |
| ○ Rajat Mittal | Johns Hopkins University, USA |
| ○ Peter Bearman | Imperial College, UK |
| ○ Kerry Hourigan | Monash University, Australia |
| ○ Franz Durst | University of Erlangen-Nuremberg, Germany |
| ○ Thomas Lewke | IRPHE/CNRS, France |
| ○ Tsutomu Kambe | Keio University, Japan |

❖ IMPORTANT DEADLINES

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|------------------------------|--|
| ○ 20 July 2011 | <i>Receipt of extended abstracts</i> |
| ○ 22 August 2011 | <i>Notification of acceptance of papers to authors</i> |
| ○ 15 November 2011 | <i>Deadline for early registration</i> |
| ○ 8 December 2011 | <i>Registration deadline</i> |
| ○ 12-16 December 2011 | <i>Blubof2011 IUTAM Symposium , IIT Kanpur , India</i> |

❖ PARTICIPATION

The selection of presentations at the conference will be made on the basis of peer review of each extended abstract received by the strict deadline of 20 July 2011.

A volume of accepted abstracts will be available to each registrant at the Symposium. Following the Symposium, a selection of papers will be made by the Scientific Committee for expansion into the format required for publication in a special issue of the [Journal of Fluids and Structures](#).

❖ SUBMISSION AND FORMAT OF EXTENDED ABSTRACTS

The extended abstract will be from two to four (2-4) A4 pages in length, and will be formatted in single column format. Useful key figures are included within this page limit. Arial font should be used in 11-point size or equivalent. Margins to be no less than 2 cm. At the beginning should be centered the paper title, authors' names and affiliations, and a contact e-mail address. Please include all relevant material (text and accompanying figures) into a single document.

The extended abstracts should be submitted electronically, as a Portable Document Format (PDF) file, whose filename should contain the name of the first author (e.g., "Mittal.pdf"). The PDF file should be submitted on the conference website paper submissions page (<http://www.iitk.ac.in/blubof2011/index.php?page=submissions>).

After acceptance, each contribution must be accompanied by at least one separate registration, in order for the presentation to be included in the conference program and in the book of abstracts.

❖ LOCATION, VENUE & ACCOMMODATION

Venue: IIT Kanpur

Accommodation will be provided inside IITK-Campus for the duration of conference, i.e., from 12th December to 16th December. More details will be provided on the conference site at a later date. Travel related information can also be found at the conference website on the travel page (<http://www.iitk.ac.in/blubof2011/index.php?page=travel>).



❖ REGISTRATION

The registration fee for Blubof2011 is US \$ 450/-, if registration is made before 04 November 2011; afterwards a surcharge of US \$ 100/- will apply. Full-time students may apply for a reduced rate of US \$ 300/- by sending a short motivation/justification letter and a copy of their student ID. These prices include the volume of extended abstracts, welcome reception, banquet, lunches, and morning and afternoon tea and coffee. More details on the registration procedure will be given later. The registration fee for Indian participants is Rs. 8000/-. The reduced fee for full-time students, from Indian Universities, is Rs. 4000/-.

❖ ENQUIRIES

Further details of the organization of Blubof2011 will be posted on the symposium website as soon as they become available. Please check regularly: <http://www.iitk.ac.in/blubof2011>.

Enquiries can be directed to the chairmen of Blubof2011:

- ✚ **Sanjay Mittal** (smittal@iitk.ac.in, home page : <http://home.iitk.ac.in/~smittal>)
- ✚ **Gautam Biswas** (gtm@iitk.ac.in, home page : <http://home.iitk.ac.in/~gtm>)