



IUTAM Symposium on
**Bluff Body Wakes and
Vortex-Induced Vibrations**

BBVIV-6

22-25 June 2010 – Capri Island, Italy

www.bbviv.org



2nd Announcement & Call for Abstracts

IUTAM SYMPOSIUM ON BLUFF BODY WAKES AND VORTEX-INDUCED VIBRATIONS

The series of Symposia on Bluff Body Wakes and Vortex-Induced Vibrations provides a stimulating and constructive forum for researchers specializing on the problems of fixed and vibrating bluff body flows.

The present IUTAM Symposium on Bluff Body Wakes and Vortex-Induced Vibrations (BBVIV-6) will follow the spirit set in the previous events of this series since 1998. Details about past BBVIV conferences can be found at www.bbviv.org.

The Symposium will take place over four days, starting on Tuesday, 22 June 2010 and ending on Friday, 25 June 2010. 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 an international refereed journal.

SCOPE OF CONFERENCE

BBVIV-6 will focus on aspects of the dynamics of vortex structures found in the wakes of fixed and oscillating bluff bodies, including vortices resulting from shear layer convective instability and near-wake absolute instability. Experimental, computational and analytical studies will be presented on topics such as the following (not exhaustive):

- Active and passive control of wakes
- Aspects of vortex-induced vibration of bluff bodies
- Vortex-induced vibrations at very high Reynolds numbers
- Vortex-induced noise due to bluff bodies
- Rising and falling bodies in a fluid
- Controlled vibration of bluff bodies
- Vehicle aerodynamics
- The 3-D structure of wakes from nominally two-dimensional bluff bodies
- Mode changes in the wakes of circular cylinders
- Bodies in unsteady/oscillatory flows
- Wakes in shallow water and in stratified flows
- Relation between wake structure and the force experienced by a bluff body

All submitted papers will be peer reviewed under the coordination of a scientific advisory panel. The conference will keep the tradition of inviting internationally renowned keynote speakers to the conference.

INVITED SPEAKERS

- **Peter W. Bearman** Imperial College, London, UK – Opening Lecture
- **Christophe Clanet** École Polytechnique, Paris, France
- **Kerry Hourigan** Monash University, Melbourne, Australia
- **Anthony Leonard** Caltech, Pasadena, USA
- **Julio R. Meneghini** University of São Paulo, Brazil
- **Sanjay Mittal** Indian Institute of Technology, Kanpur, India
- **Alexandra H. Techet** Massachusetts Institute of Technology, Cambridge, MA, USA
- **Richard, H. J. Willden** University of Oxford, UK

SCIENTIFIC COMMITTEE

- T. Leweke, Co-Chair IRPHE/CNRS, France
- C. H. K. Williamson, Co-Chair Cornell University, USA
- P. W. Bearman Imperial College, UK
- E. de Langre École Polytechnique, France
- R. N. Govardhan Indian Institute of Science, India
- K. Hourigan Monash University, Australia
- A. Leonard California Institute of Technology, USA
- J. R. Meneghini University of São Paulo, Brazil
- P. A. Monkewitz EPF Lausanne, Switzerland
- C. Norberg Lund Institute of Technology, Sweden
- M. P. Païdoussis McGill University, Canada
- D. O. Rockwell Lehigh University, USA
- M. S. Triantafyllou Massachusetts Institute of Technology, USA
- M. C. Thompson Monash University, Australia

IMPORTANT DEADLINES

- **15 January 2010 NEW NEW** Receipt of extended abstracts **NEW**
- **15 February 2010** Notification of acceptance of papers to authors
- **21 May 2010** Deadline for early registration
- **22-25 June 2010** BBIV-6 IUTAM Symposium, Capri, Italy
- **30 September 2010** Due date for submission of selected papers

PARTICIPATION

The selection of presentations at the conference will be made on the basis of peer review, by two independent referees, of each extended abstract received by the strict deadline of **15 January 2010**. 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 an international refereed journal, to appear in 2011.

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 centred 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. If the files are large, please compress them using a standard utility before emailing them (limit is 5 Mb compressed).

The Full Papers should be submitted electronically, as a Portable Document Format (PDF) file, whose filename should contain the name of the first author (e.g., "Wilkinson.pdf").

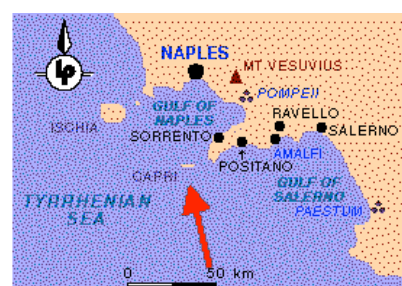
The PDF file should be sent by e-mail to: Thomas.Leweke@irphe.univ-mrs.fr.

Please send, as a part of the e-mail, the request to "Notify Sender" (or similar), so that we may very simply confirm receipt of your submission.

LOCATION, VENUE & ACCOMMODATION

The conference will be held at the **Hotel San Michele** (www.sanmichele-capri.com) in the town of Anacapri on Capri Island, located in the Gulf of Naples, Italy. Rooms at special conference rates have been reserved in this and a number of other nearby hotels.

Booking of accommodation for BBVIV-6 is handled centrally by **Effe Erre Congressi** in Naples, who will also provide information and assistance concerning travel and excursions. Instructions for booking of accommodation are given on the symposium web site at www.bbviv.org.



SOCIAL FUNCTIONS

The Symposium will mix informality with maximum opportunity for interaction between participants. A welcome reception, including buffet, at the Hotel San Michele will be offered to all participants and accompanying persons on the evening of the first day of the conference. On the Thursday evening, a banquet will be held at the famous restaurant **Da Gelsomina** (www.dagelsomina.com). One free afternoon during the conference will afford the opportunity to visit some of the magnificent nearby sites.

For accompanying persons, a number of activities and tours are possible during the conference, as well as before and after the event. Bookings can be made through **Effe Erre Congressi**.

REGISTRATION

The registration fee for BBVIV-6 is 430 Euro, if registration is made before 21 May 2010; afterwards a surcharge of 100 Euro will apply. Full-time students may apply for a reduced rate of 300 Euro by sending a short motivation/justification letter and a copy of their student ID. These prices include the volume of extended abstracts, a copy of the symposium proceedings, welcome reception, banquet, three lunches, and morning and afternoon tea and coffee. Details on the registration procedure are again given on the symposium web site.

ENQUIRIES

Further details of the organisation of BBVIV-6 will be posted on the symposium website as soon as they become available. Please check regularly: www.bbviv.org.

Enquiries can be directed to the chairmen of BBVIV-6:

C. H. K. Williamson (cw26@cornell.edu) – T. Leweke (leweke@irphe.univ-mrs.fr)