



FLUCOME 2017

14th International Conference on Fluid Control, Measurements, and Visualization
October 8-12, 2017, University of Notre Dame, Notre Dame, IN 46556, USA

The Department of Aerospace and Mechanical Engineering, Institute of Flow Physics and Control of the University of Notre Dame, USA, hosts the 14th International Conference on Fluid Control, Measurements, and Visualization (FLUCOME) in the famous campus of Notre Dame, Indiana, USA.

This well-established Conference will be collocated with the Notre Dame Workshop on Plasma-Based Flow Control.

The FLUCOME conference is contemplated as a continuation of the previous thirteen meetings. The 1st FLUCOME symposium was held in Tokyo, Japan (1985), the 2nd in Sheffield, UK (1988), the 3rd in San Francisco, CA, USA (1991), the 4th in Toulouse, France (1994), the 5th in Hayama, Japan (1997), the 6th in Sherbrooke, Canada (2000), the 7th in Sorrento (2003), the 8th in Chengdu, China (2005), the 9th in Tallahassee, FL, USA (2007), the 10th in Moscow, Russia (2009); the 11th in Keelung/Kenting, Taiwan (2011); 12th in Nara, Japan (2013); and the 13th in Doha, Qatar (2015).

The 14th FLUCOME will provide a forum for researches and scholars to exchange the latest scientific and technical achievements in multiple disciplines, including engineering, physics, chemical sciences, astrophysics, and meteorology. Conference topics include fluid processes across a wide range of scales: micro-scale biomechanical engineering flows, small-scale machine flows, large-scale civil and environmental fluid flows, and global-scale geophysical and meteorological fluid flows.

The FLUCOME-2017 program will include three themes A, B, C and the Notre Dame Workshop on Plasma-Based Flow Control dedicated to a special topic

Theme A: Flow/Flight Control

- | | |
|--|--|
| <input type="checkbox"/> Active flow control technique | <input type="checkbox"/> Aeroacoustics |
| <input type="checkbox"/> MHD and EHD | <input type="checkbox"/> Microfluidics |
| <input type="checkbox"/> Environmental pollution control | <input type="checkbox"/> Combustion and detonation |
| | <input type="checkbox"/> Wind engineering |

Theme B: Flow/Fluid Measurements and Visualization

- | | |
|--|--|
| <input type="checkbox"/> Shock-dominated flows | <input type="checkbox"/> Aero-optics |
| <input type="checkbox"/> Multiphase flows | <input type="checkbox"/> Geophysical and environmental flows |
| <input type="checkbox"/> PIV and imaging | <input type="checkbox"/> Remote and nonintrusive sensing |
| <input type="checkbox"/> PSP, TSP, and liquid crystals | |

Theme C: Visualization as a scientific art (new)

- | | |
|--|---------------------------------------|
| <input type="checkbox"/> Computer fiction | <input type="checkbox"/> Fractals |
| <input type="checkbox"/> Lightning | <input type="checkbox"/> Astrophysics |
| <input type="checkbox"/> Novel metamaterials | |

Notre Dame Workshop on Plasma-Based Flow Control



Content from this work may be used under the terms of the [Creative Commons Attribution 3.0 licence](https://creativecommons.org/licenses/by/3.0/). Any further distribution of this work must maintain attribution to the author(s) and the title of the work, journal citation and DOI.



FLUCOME 2017

14th International Conference on Fluid Control, Measurements, and Visualization
October 8-12, 2017, University of Notre Dame, Notre Dame, IN 46556, USA

Committees

Yasuki Nakayama – founder
Giovanni Maria Carlomagno
Qing-Ding Wei
Ching-Jen Chen
Sergey B Leonov
Jiahn-Hong Chen
Toshiharu Kagawa
Yousef Haik

FLUCOME Honorary Board

Future Technology Research Institute	Japan
University of Naples Federico II	Italy
Peking University	China
Florida State University	USA
University of Notre Dame	USA
National Taiwan Ocean University	Taiwan
Tokyo Institute of Technology	Japan
Hamad Bin Khalifa University	Qatar

International Steering Committee

Igor Adamovich	Nicolas Benard	Mark Capelli
Gennaro Cardone	Campbell Carter	Antonio Delgado
Ivan Egorov	Deog-Hee DOH	Lihao Feng
Song Fu	Nobuyuki Fujisawa	Wenrui Huang
Shinichiro Ito	Toshio Kobayashi	Christian Kaehler
Doyle Knight	Victor Kozlov	Richard Miles
Gerard Pimeau	Ethirajan Rathakrishnan	Mo Samimy
Tatsuo Sawada	Jan Stasiek	Sonny H. Winoto
Yu Zhou		

Local Organizing Committee

Sergey Leonov – Chair	Thomas Corke – Chair	Harindra Joe Fernando
Stanislav Gordeyev	Thomas Juliano	Eric Jumper
Seong-Kyun Im	Ahsan Kareem	Scott Morris
Joseph Power	Hirotaaka Sakaue	Flint Thomas
Gretar Tryggvason	Meng Wang	Melissa Neill – Secretary

Publication

After reviewing, selected papers will be published in the IOP Conference Series:
“Materials Science and Engineering” <http://iopscience.iop.org/journal/1757-899X>

Location

The location of the **FLUCOME 14** will be the Notre Dame Conference Center:
<http://morrisinn.nd.edu/conference-center/notre-dame-conference-center/>

Important Dates

Deadline for abstract submission:	April 21, 2017
Notification of abstract acceptance:	May 19, 2017
Deadline for full paper submission:	July 14, 2017

Contacts

Web Site: <https://engineering.nd.edu/flucome2017>
E-mail: flucome2017_info@nd.edu