



## Announcement & Call for Paper

### *The 16th International Symposium on Flow Visualization (ISFV16)*

Okinawa Convention Center,  
June 24-28, 2014, Okinawa, Japan  
<http://www.isfv.org>



#### Sponsored by

- Flow Visualization Society of Japan

#### Supported by

- Faculty of Engineering,  
University of the Ryukyus, Japan

#### Scope

The International Symposium on Flow Visualization (ISFV) is a world unique forum focused on flow visualization. A wide variety of state-of-the-arts visualization techniques will be presented and discussed to enhance the Flow Visualization. Top Researchers around the world will come to Okinawa, Japan to exchange the advanced and basic information on Flow Visualization.

Okinawa is the southern resort islands of Japan about 2 hours flight from Tokyo and an hour flight from Taipei. Lots of scenic area and Ryukyus historical castles welcome you to come to Okinawa and enjoy the symposium.



#### History

The International Symposium on Flow Visualization originated in Tokyo (Japan) in 1977 and continued in Bochum (Germany/1980), Ann Arbor (USA / 1983), Paris (France / 1986), Prague (Czechoslovakia / 1989), Yokohama (Japan / 1992), Seattle (USA / 1995), Sorrento (Italy / 1998), Edinburgh (UK / 2000), Kyoto (Japan / 2002), Notre Dame, (USA / 2004), Göttingen (Germany / 2006), Nice (France / 2008), Daegu (Korea / 2010) and in Minsk (Belarus / 2012).

#### Contact us

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S. Someya, National Institute of Advanced Industrial Science  
and Technology, Secretary General  
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## Areas of interest

- Experimental and computational fluid mechanics (compressible and incompressible flows, rotating flows, boundary layers, jets, wakes, flow turbulence)
- Mechanical, chemical and bio-inspired engineering (industrial processes, turbo-machines, engines)
- Heat and mass transfer (thermal and convective effects, vortex enhancement, radiation)
- Multiphase and reactive flows, combustion, liquid droplets breakup
- High-speed and transient phenomena (blast waves, shock waves, explosion and detonation)
- Aerothermodynamics, plasma dynamics, particle-laden plasma flows
- Environmental flows, pollutant emission and control, clean fuel technologies, meteorology, oceanography
- Food and agricultural technologies, metallurgy, porous media
- Micro and nano-fluidics, micro-gravity flows
- Medical/biological flows, musical acoustics, artistic visualization, art.

## Methods & Techniques

- Classical and advanced optical methods (schlieren, shadowgraph, interferometry, holography, holographic interferometry, speckle, background oriented schlieren, Talbot interferometry)
- Laser based methods (particle image velocimetry, laser induced fluorescence, molecular tagging velocimetry)
- Laser sheet imaging (smoke and particle visualization)
- Absorption/emission recording, spectroscopy
- Electronic sparks and discharges
- IR thermography, liquid crystals, pressure and temperature sensitive paints, acoustic microphone array
- Digital data acquisition and processing (image processing, Wavelet image analysis, image-assisted methods)
- Numerical flow visualization (computational fluid dynamics)
- Tomographic reconstruction, inverse problems in image analysis.



## Important dates

<b>January 31, 2014</b>	...	Notification of abstract acceptance
<b>February 28, 2014</b>	.....	Deadline for draft paper submission
<b>March 31, 2014</b>	.....	<b>Deadline for abstract submission (For Poster Session w/o full paper)</b>
<b>April 20, 2014</b>	...	Notification of abstract acceptance (poster)
<b>May 1, 2014</b>	.....	Deadline for final paper submission
May 1, 2014	.....	Deadline for Early Registration
June 24, 2014	.....	Start of the symposium

## Organization

◆ *Symposium Chair* Koji Okamoto (Japan)

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F. Seiler	(Germany)	B. Rinkevichyus	(Russia)	G. Settles	(USA)
W. Frank	(Germany)				

### ◆ *International Scientific Committee*

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D. Numata	Y. Matsuda	M. Motosuke
H. Mori	T. Yagi	Y.Li

### Plenary lectures

- ◆ **Prof. Akiyoshi Iida** : Department of Mechanical Engineering, Toyohashi University of Technology
- ◆ **Prof. Christian J. Kähler** : Institute of Fluid Mechanics and Aerodynamics, Bundeswehr University Munich
- ◆ **Prof. Hui Hu** : Department of Aerospace Engineering, Iowa State University

### Keynote lectures

- ◆ **Prof. Jerry Westerweel** : Laboratory for Aero & Hydrodynamics, Delft University of Technology
- ◆ **Prof. Kenneth T. Christensen** : Mechanical Science and Engineering Department, University of Illinois at Urbana-Champaign
- ◆ **Prof. Jin Jun WANG** : School of Aeronautic Science and Engineering, Beijing University of Aeronautics and Astronautics
- ◆ **Prof. Han Seo Ko** : School of Mechanical Engineering, Sungkyunkwan University
- ◆ **Dr. Daniel W. Banks** : Dryden Flight Research Center, National Aeronautics and Space Administration
- ◆ **Prof. Mamoru Tanahashi** : Department of Mechanical and Aerospace Engineering, Tokyo Institute of Technology

### Poster Session

The ISFV16 will organise a poster session. To participate the poster session, authors must submit the abstract, and the submission of the full paper is NOT required. The procedure of the abstract is same as that in the oral session.

### Publication

The excellent papers presented at the ISFV conference will be recommended for publishing in international journals, Measurement science and technology <http://iopscience.iop.org/0957-0233/> (IOP science) or Journal of visualization <http://link.springer.com/journal/12650> .

### Registration Fees

	Early	On-site
Regular	60000(JPY)	70000(JPY)
Student	30000(JPY)	35000(JPY)
Accompany Persons	10000(JPY)	12000(JPY)