

# The Third International Symposium on Transdisciplinary Fluid Integration

June 12-13, 2006, Hotel Taikanso, Matsushima, Miyagi, JAPAN

First Announcement and Call for Posters



TOHOKU  
UNIVERSITY

Institute of Fluid Science, Tohoku University

## Organization

### Sponsor

The sponsor of the symposium is Institute of Fluid Science (IFS), Tohoku University, which founded the Transdisciplinary Fluid Integration (TFI) Research Center in 2003. The main purpose of the center is to address transdisciplinary fluid problems arising in various research fields such as environmental science, life science, information technology, and nanotechnology. To tackle these problems, we have been attempting to integrate experimental and computational methods to establish the novel TFI approaches.

### Symposium Chair

Issei Fujishiro

### Organizing Committee

Toshiaki Ikohagi, Toshiyuki Hayase, Yasuaki Kohama, Shigeru Obayashi, Seiji Samukawa, Jun Ishimoto

### Executive Committee

Atsushi Shirai, Yuriko Takeshima

### Symposium Secretariat

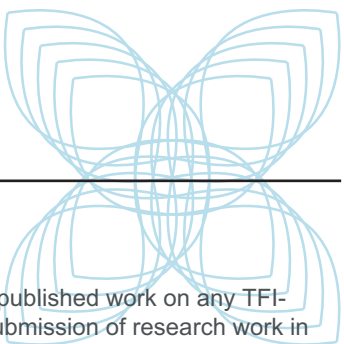
Naomi Suzuki

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URL: <http://www.ifs.tohoku.ac.jp/tfi-2006/>



## Call for Posters

Posters presenting original, unpublished work on any TFI-relevant topics are solicited. Submission of research work in progress or lessons learned in practice is also encouraged.

## Abstract

The Microsoft® Word template is available from the symposium website. Use A4 (210 mm X 297 mm) size paper, not US-letter. Top margin is 25 mm. Bottom, left and right margins 20mm. The maximum length is 2 pages. All the figures and photographs should be in black and white. One fine color figure is invited for the color plates in the Proceedings.

Send your abstract by e-mail to [tfi06@vis.ifs.tohoku.ac.jp](mailto:tfi06@vis.ifs.tohoku.ac.jp) no later than April 30, 2006.

## Poster

Use A0 (841 mm X 1189 mm) size paper in a vertically-long manner. Each presenter should put up his/her poster on an assigned board by 10:00 on June 12.

## Presentation

Presenter is required to attend poster preview sessions. The symposium language is English. Bring your own laptop. A LCD projector and a monitor cable (D-sub 15 pins) are prepared. If your laptop is Macintosh and the connector for external monitor is not D-sub 15 pins, bring your own adaptor. If you need overhead projector or videocassette player, make contact with the symposium secretariat.

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## Welcome to TFI-2006!

Following successful symposia in Sendai (2004) and Miyazaki (2005), the Third International Symposium on Transdisciplinary Fluid Integration, TFI-2006, will be held in Matsushima, one of the Three Major Scenic Spots in Japan, in June 2006.

The symposium this year further explores the potentials of the TFI technologies especially from the aspect of "Shape Modeling and Analysis in Fluid Science". Visual computing is indispensable for significant improvements in both efficiency and accuracy of TFI solutions to a number of fluid problems in various application areas.

For participants' convenience, TFI-2006 is co-located with two closely-related international meetings: IEEE Shape Modeling and Applications 2006 and AIM@SHAPE First International Workshop on Shapes and Semantics.

Issei Fujishiro  
Symposium Chair

## Co-Located Meetings

### IEEE SMI2006

International Conference on Shape Modeling and Applications 2006  
13-16th June, 2006

### First International Workshop on Shapes and Semantics

17th June, 2006



## Symposium Venue

Hotel Taikanso  
10-76, Inuta, Matsushima, Miyagi 981-0213, JAPAN  
Phone: +81-22-354-2161 Fax: +81-22-353-3431  
URL: <http://www.taikanso.co.jp/eg/>



## Invited Lectures

Prof. Jarke van Wijk (Technische Universiteit Eindhoven)  
"Visualization of Flow Data with Texture"

Prof. Kwan-Liu Ma (University of California, Davis)  
"Ultra-Scale Visualization"

## Special Session : Shape Modeling and Analysis in Fluid Science

Prof. Shigeo Takahashi (The University of Tokyo)  
"Toward Feature-Driven Approach to Perception-Based Visualization"

Dr. Kenji Ono (RIKEN)  
"A Seamless CFD System Coupling with The Implicit Function"

Prof. Koji Koyamada (Kyoto University)  
"Techniques for Visualizing Huge and Complex Volume Datasets"

Prof. Susumu Shirayama (The University of Tokyo)  
"A Method to Retrieve Grid Data in Fluid Science"

## Advance Program

### June 11, 2006 (Sunday)

15:00 - 17:00 Registration

### June 12, 2006 (Monday)

09:00 - Registration  
10:00 - 10:20 Opening Remarks  
10:20 - 11:10 Poster Preview 1  
11:10 - 11:30 Break  
11:30 - 12:20 Poster Preview 2  
12:20 - 13:30 Lunch Break  
13:30 - 15:00 Poster Session  
(core time 14:00-15:00)

15:10 - 16:30 Invited Lecture 1

16:30 - 17:50 Invited Lecture 2

17:50 - 18:00 Break

18:00 - 20:00 Banquet

### June 13, 2006 (Tuesday)

10:00 - 12:00 Special Session

12:00 - 12:10 Closing Remarks

12:10 - 14:00 Lunch Break

14:00 - 17:00 Technical Tour to IFS

17:00 - 19:00 Joint Reception with SMI2006

## Registration

Type	Advance	Late/on-site
General	JPY 10,000	JPY 20,000
Student	JPY 8,000	JPY 16,000

\*Advance Registration Deadline: May 15, 2006

\*The registration fee include one copy of the Proceedings, three coffee breaks, banquet and reception.

Online Registration:

<http://www.ifs.tohoku.ac.jp/tfi-2006/registration.html>