



Welcome

Welcome to the 20th International Symposium on Flow Visualization (ISFV 2020) to be held at TU Delft in the Netherlands 17-21 July, 2023.

The event is co-sponsored by the Visualization Society of Japan.

The symposium is organized by the Aerodynamics Group at the Faculty of Aerospace Engineering of TU Delft.



Scope

The symposium gathers contributions in the domain of flow visualization, with the most recent developments from both experimental and numerical techniques. The main topics encompass:

Applications

- Industrial, environmental, biological and bio-medical flows
- Unsteady flows, transition, turbulence, compressible flows, aero-acoustics, aero-elasticity
- Multiphase and granular flows
- Heat and mass transfer, chemical reactions, combustion

Flow visualization techniques

- Quantitative velocimetry (PIV, MTV)
- Refractive techniques (Schlieren, shadowgraphy, interferometry and BOS)
- Thermal and pressure imaging (QIRT, liquid crystals, PSP)
- Special flow sensing and imaging (X-ray, MRI, PET)
- Measurements of multidimensional flow properties: velocity, vorticity, pressure, temperature, density, concentration, etc.

Data analysis and visualization

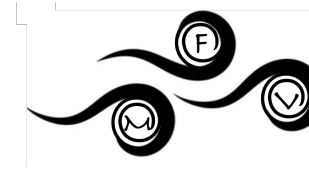
- Pattern recognition, feature classification, modal decomposition
- Data assimilation, physics informed reconstruction, data fusion
- Machine learning techniques applied to flow visualization
- Advanced rendering for multidimensional data sets

Organizing committee

F. Scarano, TU Delft, Aerospace Engineering
F. di Felice, Consiglio Nazionale delle Ricerche (IT)
G. Elsinga, TU Delft, Mechanical Engineering
M. Mendez, von Karman Institute (BE)
C. Russo, TU Delft, Aerospace Engineering
D. Schanz, German Aerospace Centre (DE)
F. Schrijer, TU Delft, Aerospace Engineering
A. Sciacchitano, TU Delft, Aerospace Engineering
M. Versluis, UTwente (NL)

International Scientific Committee

T. McIntyre	Australia	J. Sakakibara	Japan
O. Penyazkov	Belarus	K. Nishino	Japan
L. Sigurdson	Canada	Deog Hee Doh	Korea
Jinjun Wang	China	Sang Joon Lee	Korea
Nan Jiang	China	J. Stasiek	Poland
Quan Zhou	China	T. Kowalewski	Poland
Di Peng	China	I. Znamenskaja	Russia
Hui Tang	China-HK	G. Zharkova	Russia
S. Simoens	France	V. Mosharov	Russia
F. Leopold	France	A. Ianiro	Spain
Y. Bailly	France	T.M. Liou	Taiwan
A. Schroeder	Germany	Lian Gan	UK
F. Seiler	Germany	A. Aroussi	UK/QA/MY
C. Kähler	Germany	C. K. Choi	USA
M. Klaas	Germany	G. Settles	USA
W. Frank	Germany	D. Banks	USA
G. Cardone	Italy	J.T. Heineck	USA
A. Cenedese	Italy	Y. Hassan	USA
F. Di Felice	Italy	Hui Hu	USA
S. Someya	Japan	Leo Chamorro	USA
N. Ninomiya	Japan		



Masters of Flow Visualization

In this edition of ISFV, a new activity will be proposed that stimulates the young researchers to practice flow visualization techniques.

A lively, on-site contest for Junior researchers is planned. The event is concluded with thematic awards for best Flow Visualizations realised during the live experiments.

Provisional time schedule

Abstract submission..... 1 April 2023
Notification of acceptance..... 15 May 2023
Early bird registration 1 June 2023
Symposium..... 17-21 July

Proceedings

All papers accepted for presentation will be incorporated in the book of proceedings. Authors will be encouraged to produce full articles after the symposium, intended for publication in a special issue.

Contacts

Please address inquiries, abstract and paper submissions to:
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Further information being made available on
<https://www.isfv20.org/home>