



8th International Conference on Jets, Wakes and Separated Flows

Firenze (Italy)

September 23-25, 2024



ANNOUNCEMENT AND CALL FOR PAPERS

Announcement

After enthusiastic responses to the past seven editions held in Mie, Japan (2005), Berlin, Germany (2008), Cincinnati, USA (2010), Nagoya, Japan (2013), Stockholm, Sweden (2015), Cincinnati, USA (2017) and Tokyo, Japan (2022), the **8th edition of the International Conference on Jets, Wakes and Separated Flows - ICJWSF** will take place in **Florence (Italy), September 23th-25th 2024**. The conference is co-organized by the Department of Industrial Engineering of the University of Florence. The venue of the conference will be the [Museo degli Innocenti](#) located in the historic center of Florence, **UNESCO World Heritage site**.

Investigating jets, wakes, and separated flows stands out as a crucial and captivating area of study within fluid dynamics, thermodynamics, and engineering. The conference aims to delve into the latest advancements in related fields, along with exploring strategies for their effective modelling, testing, management and control.

Participation of Ph D students and young researchers in the meeting is warmly solicited

The event will consist of two parallel sessions for oral presentations and six Invited Talks. A work in progress poster session will also be available.

Main topics

Free and Confined Jets

Multiphase Flows

Pulsating Flows

Swirling Flows

Heat Transfer

Jets and Plumes

Aeroacoustics and Noise

Fluid-structure interaction

Compressible Flows

Passive and Active Flow Control

Wake Flows

Shear flows

Vortex flows

Combustion and detonation

Fluid machinery

Propulsion

Micro/nanoscale fluid flows

Invited Speakers

Prof. Israel Wygnanski	Univeristy of Arizona	USA
Prof. Yoshiyuki Tsuji	Nagoya University	Japan
Prof. Masaharu Matsubara	Shinshu University	Japan
Dr. Andrea Gruber	SINTEF	Norway
Prof. Kilian Oberleithner	TU Berlin	Germany
Prof. Simone Camarri	University of Pisa	Italy

Instructions to Authors

Participants are invited to submit an abstract indicating the most closely related topic among those listed above **no later than May 24th 2024**. Abstract acceptance will be notified to authors **by June 14th 2024**. For accepted contribution authors are invited to submit a 6 pages paper no later than **September 6th 2024**.

A Work In Progress **Poster Session** will also be organized: Posters must be in A0 format portrait orientation (841 mmx 1189 mm). Contributions to poster session must be communicated to organizers **no later than July 30th 2024**.

A selection of most valuable contribution will be invited to join a special issue on **Flow Turbulence and Combustion** journal edited by Springer

Long abstract:

Max 2 pages - 1000 words (PDF, A4 format, font Time New Roman 12, including references and max 1 figure)

Full paper:

Max 6 pages (A4 page format, LateX/Word template available)

Please visit conference website for further instructions on abstract and paper submission

icjwsf2024.org

Registration details

	EARLY BIRD by July 12 2024	REGULAR by September 6 2024
FULL	€ 479	€ 529
STUDENT	€ 359	€ 399
ACCOMPANYING PERSON	€ 180	€ 200

Each Full registration is allowed to present up to 2 papers

Each Student registration is allowed to present up to 1 paper

Organizing Committee

Prof. Antonio Andreini,	Univ. of Florence, Italy	Chairperson
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