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Venue

Baolong Shanghai Hotel, 180 Yixian Road , Hongkou District, Shanghai, China

Website

www.isfa2024.com

Contact

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The Third International Symposium on Flutter and its Application (ISFA2024)



Shanghai, China

May 24-26, 2024

Flutter

FIRST ANNOUNCEMENT AND CALL FOR PAPERS

Co-Hosted by

Tongji University

State Key Laboratory of Disaster Reduction in Civil Engineering

Key Laboratory of Transport Industry of Bridge Wind Resistance Technology (Shanghai)

Operated by

Wintime Shanghai Information Technology Co., Ltd.

In cooperation with

Japan Research Association of Flutter

China Civil Engineering Society, Institution of Bridge and Structural Engineering

... (To be invited)

Sponsors

... (To be invited)

Introduction

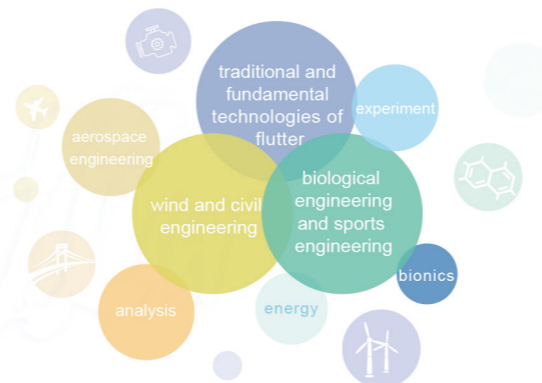
ISFA, the International Symposium on Flutter and its Application, is an academic conference held periodically since its initiation in 2016 by the Japan Research Association of Flutter (JRAF). The first symposium, ISFA2016, was held in Tokyo, Japan, during May 15th to 17th, 2016, where fifteen countries participated and reached a consensus to hold the symposium every four years. The second symposium, ISFA2020, was planned to be held in Paris, France, from May 12th to 14th, 2020, but was unfortunately canceled due to the Covid-19 pandemic. Despite the cancellation, the organizers published a digital proceedings of the symposium to acknowledge the contributions of more than 160 authors from 21 countries.

Entrusted by the Chairperson Committee of ISFA, the third symposium, ISFA2024, will be co-hosted by Tongji University, the State Key Laboratory of Disaster Reduction in Civil Engineering of China, and the Key Laboratory of Transport Industry of Bridge Wind Resistance Technology (Shanghai) of China. The symposium is scheduled to be held in Shanghai from May 24th to 26th, 2024.



Aim and Scope

The objectives of this symposium are to seek an integration scheme for traditional and fundamental technologies of flutter within a multidisciplinary research environment, including aerospace engineering, mechanical engineering, wind and civil engineering, biological engineering, and sports engineering. Moreover, this symposium endeavors to establish novel areas, including energy conversion and bio-inspired mechanisms like flight or propulsion, through analytical or experimental concepts of flutter. Researchers and engineering consultants from around the world, including but not limited to experts, engineers, and postgraduate students, are cordially invited to submit papers to ISFA2024.



Topics

Unsteady aerodynamics

Aeroelasticity

Aero-servo-elasticity

Flutter of bridges

Flutter of aircrafts

Blade flutter

Flag & panel flutter

Coupled-mode flutter

Flapping wing

Flutter in biomechanics and bio-inspired systems

Flutter in marine engineering

Flutter in sports engineering

Flutter in axial flows

Energy harvest based on flutter

Galloping of cables and basic sections

Stall flutter

Structural dynamics for aeroelastic applications

Vortex induced vibration

Wind turbine

Flutter control

Key Dates

1-page abstract due: Aug. 31, 2023

Notification of acceptance: Oct. 31, 2023

Full paper (8 to 10 pages) due: Dec. 31, 2023

Notification of acceptance: Feb. 28, 2024

Early registration due: Mar. 31, 2024

ISFA2024: May 24-26, 2024

2024

