



INTERNATIONAL SYMPOSIUM
ON ADVANCES IN AERODYNAMICS

SAIA
2023 • GUANGZHOU
CHINA

第二届空气动力学进展国际研讨会 暨 AIA 编委会会议预通知

为更好地交流国内外空气动力学研究领域的最新研究进展，拓展学科影响力，推动我国空气动力学领域自主创新发展，拟于 2023 年 12 月在广东省广州市组织召开“第二届空气动力学进展国际研讨会暨 AIA 编委会”。会议拟由中国空气动力学会主办，中山大学航空航天学院协办。

会议将组织邀请报告和征集报告，热忱欢迎国内外空气动力学相关研究领域的专家、学者、科研人员和院校研究生踊跃投稿并参会交流。现将有关事项通知如下：

一、征稿范围

征稿内容包括但不限于：

1. 理论和计算空气动力学

平衡与非平衡流动

数值方法与验证

湍流建模与仿真

多物理场流动模拟

2. 实验空气动力学

风洞试验

推进与燃烧

流动显示

测控技术

3. 风工程与工业空气动力学

建筑及桥梁

汽车和高速车辆

可再生能源

环境风工程

4. 相关学科交叉领域

气动声学

气动光学

气动弹性

气动隐身

人工智能

二、征稿要求

1. 摘要及全文模板：见附件。

2. 投稿方式及要求:

(1) 稿件语言须为英语;

(2) 投稿邮箱: aia2023@mail.sysu.edu.cn;

(3) 优秀论文将推荐至 AIA 英文刊(EI、ESCI、Scoups 等数据库收录) 发表。

3. 保密审查: 本次会议是非涉密公开会议, 所投的论文由第一作者单位进行保密审查, 论文第一作者对论文保密问题负全部责任。

三、会议重要日期

1. 摘要投稿截止时间: 2023 年 10 月 15 日;

2. 摘要录用通知时间: 2023 年 10 月 30 日;

3. 会议报到时间: 2023 年 12 月 8 日;

4. 会议交流时间: 2023 年 12 月 9-10 日。

四、食宿安排

本次会议编委会成员不收取注册费, 参会人员的食宿及交通费用自理。

五、联系方式

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中山大学航空航天学院

2023 年 9 月 8 日



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The 2nd International Symposium on Advances in Aerodynamics & Editorial Board Meeting of AIA

Call for paper:

The 2nd International Symposium on Advances in Aerodynamics (SAIA 2023) & Editorial Board Meeting of AIA will be held in Guangzhou, Guangdong, China from December 8 to December 11, 2023.

The objective of this symposium is to facilitate the exchange of cutting-edge advancements in the field of aerodynamics, encompassing academic research, industrial development, and engineering applications. The symposium aims to foster discussions on the future direction of *Advances in Aerodynamics* and gather ideas for further development in the field.

The symposium serves as a platform for sharing insights, exchanging opinions, and fostering collaboration among the fellow professionals all over the world.

The symposium is calling for papers. All research findings related with aerodynamics have opportunities to be presented and discussed at the symposium (via aia2023@mail.sysu.edu.cn) .

The symposium will be sponsored by Chinese Aerodynamics Research Society (CARS) and co-organized by School of Aeronautics and Astronautics at Sun Yat-sen University.

Topics covered

The topics included but are not limited to:

- **Theoretical and Computational Aerodynamics**
 - Equilibrium and non-equilibrium flow
 - Numerical method and validation
 - Turbulent flow modeling and simulation
 - Multiple physical field simulation
- **Experimental Aerodynamics**
 - Wind tunnel experiments
 - Propulsion and combustion
 - Flow visualization
 - Measurement and control techniques
- **Wind Engineering and Industrial Aerodynamics**
 - Buildings and bridges
 - Automobiles and high-speed ground vehicles
 - Renewable energies
 - Environmental wind engineering
- **Related Cross-disciplinary Aerodynamics**
 - Aeroacoustics
 - Aero-optics
 - Aeroelasticity
 - Aerodynamic stealth
 - Artificial intelligence

All submitted papers must be written and presented in English. Authors should guarantee that there is no confidential information in the submissions and presentations. The quality of the paper will be reviewed by the academic committee. The excellent paper will have the priority to be published in *Advances in Aerodynamics* (EI, ESCI, Scopus...). The templates of abstract and full-length paper are available in the attachment.

Important date

- Deadline for abstract submission: October 15, 2023
- Notification for abstract acceptance: October 30, 2023
- Registration date: December 8, 2023
- Symposium date: December 9-11, 2023

Registration fee

The registration fee for AIA Editorial Members attending the symposium will be waived. The accommodation and transportation will be at your own expense.

Contacts

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School of Aeronautics and Astronautics at Sun Yat-sen University.



September 8, 2023