



fan2025

CALL FOR PAPERS

INTERNATIONAL CONFERENCE ON FAN NOISE,
AERODYNAMICS, APPLICATIONS AND SYSTEMS



9 to 11 APRIL 2025
ANTIBES - JUAN-LES-PINS, FRANCE

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www.fan2025.org

The landscape of fan design is rapidly evolving to meet the escalating demands for higher efficiency, reduced noise levels, and increased availability. Moreover, with many fans now serving safety-related applications, the need for innovation has never been more pressing. The advent of connectivity and digital services is catalyzing the emergence of novel business models, while the prevalence of variable speed introduces new design challenges for plant upgrades.

In this dynamic environment, numerical simulation techniques are becoming indispensable tools in aerodynamic design processes. **Fan 2025 offers a unique platform for fan and system designers, manufacturers, and operators to come together and advance our understanding of fans and their intricate system interactions.**

Don't miss this opportunity to showcase your expertise and contribute to shaping the future of fan technology. **Submit your work to Fan 2025 and be part of driving innovation in the industry.**

Let's propel fan design into the future together!

CONFERENCE SCOPE

This **three-day conference** will include keynote lectures and technical presentations. The technical presentations will be organized into three tracks:

- Fan noise
- Fan aerodynamics
- Fan applications and systems

All types of fans used in industrial processes, HVAC, electronic equipment, household appliances, automotive and traction fall within the scope of the conference. However, high-speed fans in aeronautical propulsion applications will not be included.

For further information regarding the specific topics covered by each track, please visit www.fan2025.org

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TRACK SCHEDULE

Track 1: Fan Noise

- Aerodynamic fan noise generation mechanisms.
- Structure-borne noise.
- Dynamic force transmission.
- Experimental methods for characterizing noise sources.
- Noise source localization.
- Design for low-noise fans.
- Noise prediction by analytical/numerical models.
- Optimization of fan installation to reduce noise.
- Psychoacoustics.

Track 2: Fan Aerodynamics

- Aerodynamic design methods.
- Practical design examples of new generation industrial fans.
- Advancements in traditional testing of fan aerodynamic performance.
- Experimental techniques and computational methods for the detailed analysis of fan aerodynamics.
- Artificial intelligence and aerodynamic performance optimization techniques.
- Improving fan sizing and selection.
- Unsteady phenomena and flow non-uniformities in actual fan operation.
- Effects of flow characteristics and geometric non-similarities affecting fan scaling laws.
- New design and analysis methods based on Artificial Intelligence or Machine Learning.

Track 3: Fan Applications and Systems

- Compliance with legislation and regulations.
- Harmonization of fan standards worldwide.
- Connectivity technologies.
- Digital services and new business models.
- Predictive maintenance.
- Operation and maintenance considerations.
- Motors and drives.
- Specialized fans for niche applications.
- Retrofit and upgrading existing fan installations.
- Fan system effect.
- Energy related topics (e.g. air curtain effectiveness).
- Case studies (e.g. tunnel ventilation).

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OFFER OF PAPERS

Two ways to contribute to FAN 2025

If you're engaged in this field and think others could benefit from your unique approach or the technology you're developing, why not seize the opportunity to share your knowledge and expertise by producing and presenting a paper?

The first step is to produce an abstract for your proposed contribution. Then you have two options:

- **Paper:** this is the classical conference paper, with an abstract, a draft paper with a review by a scientific committee member. For indexation, all papers will be published as conference proceedings with an indexation (DOI or ISBN) assigned, on physical or numerical format. A softbound volume of all abstracts will be available to all conference delegates.
- **Presentation without paper (PWP):** this is a simple oral presentation. The review is only formal, not scientific. The presentation is not included in the proceedings. In all cases, an abstract has to be submitted.

Papers are welcome on any of the topics listed under the three technical tracks.

In addition, the Fan 2025 Organising Committee will do an agreement with the **International Journal of Turbomachinery, Propulsion and Power** (ISSN 2504-186X). This journal is an international peer reviewed open access journal, published online quarterly.

Based on recommendations by the Fan 2025 Scientific Advisory Committee, the journal will produce a special issue on fans, comprising the most suitable papers from the conference. The special issue editor is Prof. Dr.-Ing. Thomas Carolus.

EXHIBITION AND SPONSORSHIP OPPORTUNITIES

Fan 2025 stands as a prominent gathering, drawing engineers from leading global fan companies and scholars from renowned research institutions. Sponsoring this event not only demonstrates your support for the air movement fan community's endeavors but also presents numerous benefits for your organization:

- Showcase new products
- Enhance visibility of your operations
- Elevate your brand's perception
- Influence spending plans of other organizations

Our sponsorship and exhibition options are versatile, offering varying levels of exposure tailored to your company's needs. Reach out to us at contact@fan2025.org to explore the ideal sponsorship and exhibition package for your organization.

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SCIENTIFIC ADVISORY COMMITTEE

The Fan 2025 Organizing Committee relies on the expertise of a Scientific Advisory Committee to offer insights and direction regarding the scope and structure of the conference. Scientific Advisor Committee members comprise the most senior engineers and academics working in and with the air movement fan community.

Mats Åbom	KTH, The Marcus Wallenberg Laboratory, Sweden
Stefan Becker	IPAT, FAU Erlangen, Germany
Martin Böhle	SAM Kaiserslautern, Germany
Tony Breen	Nuaire, UK
Dario Brivio	Regal Rexnord, Italy
Daniel Conrad	ebm-papst, Germany
Piero Danieli	University of Padua, Italy
Tamer Elnady	Ain Shams University, Egypt
Sassan Etemad	Volvo Trucks, Sweden
Alain Guédel	France
Csaba Horváth	Budapest University of Technology and Economics, Hungary
Lixi Huang	Hong Kong University, Hong Kong
Hanbo Jiang	Eastern Institute of Technology (EIT), China
Mikael Karlsson	KTH Royal Institute of Technology, Sweden
Phil Kirkham	Elta, UK
Geoff Lockwood	ebm-papst, UK
Frieder Lörcher	Ziehl-Abegg SE, Germany
Alan Macklin	UK
Stéphane Moreau	University of Sherbrooke, Canada
Alex Ning Chu	Zhejiang University, China
Balazs Pritz	Institut für Thermische Strömungsmaschinen, KIT, Germany
Erik Reichert	ebm-Papst Mulfingen GmbH & Co. KG, Germany
Jeff Robinson	Halifax Fan, UK
Marlene Sanjose	Ecole de Technologie Supérieure, Canada
Georg Scheuerer	ISimQ, Germany
Wolfgang Schröder	Institut der RWTH Aachen, Germany
Lorenzo Tieghi	Sapienza University of Rome, Italy
Johan Van der Spuy	Stellenbosch University, South Africa
Zhiping Wang	Morrison Product Inc., USA

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CONFERENCE VENUE

Juan-les-Pins, a charming French town within the commune of Antibes, lies just 30 minutes away from Nice along the stunning Mediterranean coast of the French Riviera. Accessible via the Juan-les-Pins station on the Marseille–Ventimiglia railway, this picturesque destination captivates visitors with its idyllic setting.

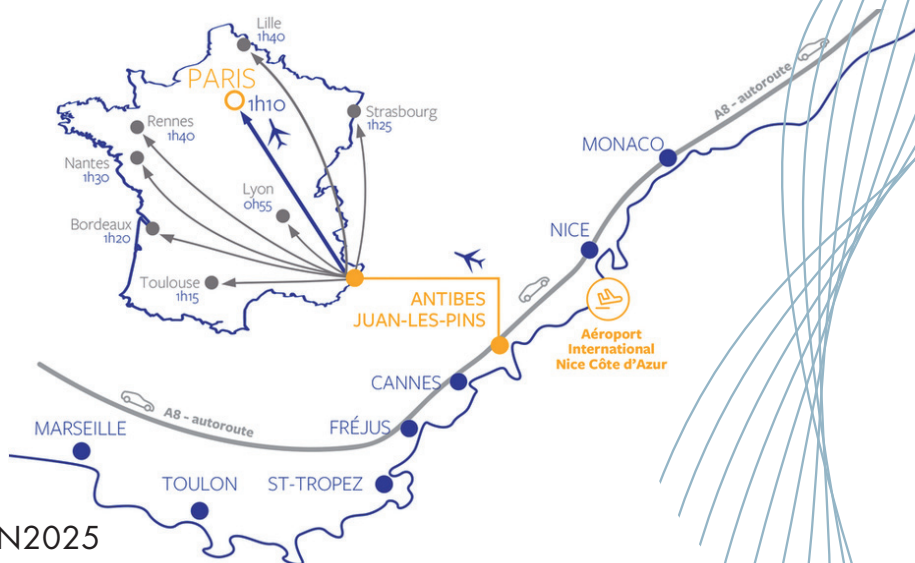
Renowned for its expansive sandy beaches and scenic seafront promenade adorned with inviting outdoor eateries and vibrant bars, Juan-les-Pins exudes coastal allure. Further inland, narrow streets reveal a plethora of additional dining establishments, lively bars, and pulsating nightclubs. Meanwhile, the tranquil Jardin de La Pinède park serves as the esteemed venue for the annual Jazz à Juan festival during the summer months, adding a touch of cultural flair to this seaside retreat.



HOW TO REACH ANTIBES

Fan 2025 conference and exhibition will take place in the Palais des Congrès who is modern, well equipped, and conveniently located for those travelling to the conference both from France and internationally.

[Click here](#)



How to get to FAN2025 at Antipolis: [Click here](#)

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ORGANISING COMMITTEE

Geoff Sheard	AGS Consulting LLC, USA - Conference Chairman
Jürgen Schöne	ebm-papst, Germany - Conference Vice-Chairman
Ossian Kaghad	CETIAT, France - Fan Noise Track Co-Chair
Michel Besombes	Cetim, France - Fan Noise Track Co-Chair
Thomas Carolus	Siegen University, Germany - Fan Aerodynamics Track Co-Chair
Massimo Masi	University of Padua, Italy - Fan Aerodynamics Track Co-Chair
Stefan Jacob	Physikalisch-Technische Bundesanstalt - Fan Applications and Systems Track Chair
François Bessac	CETIAT, France - Papers, authors management, website
Severine Vaselli	Cetim, France - Communication
Virginie Grousset	CETIAT, France - Communication
Thierry Guermontprez	CEYZ, France - Field organizer

KEY DATES

Paper and PWP Abstracts due: Abstracts between 300 to 400 words in English need to be submitted by 9 September 2024.

(Authors will be notified of acceptance within two weeks of submission)

Draft papers due: 25 November 2024

Review completed: 6 January 2025

Draft PWP due: 3 February 2025

Final papers and PWP due: 14 February 2025

Authors and co authors registration dead line: 21 February 2025

Conference: 9 - 11 April 2025

CONFERENCE ENQUIRIES

contact@fan2025.org

All update information are available on www.fan2025.org

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