

Fan Noise, Aerodynamics, Applications and Systems

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Message from the Guest Editor

Dear Colleagues,

The aim of this Special Issue is to promote the recent advances in fan technology and provide insights into the development and operation of industrial fans for a wide range of applications.

The paper submissions for this Special Issue are welcome to cover some of the following aspects, as well as other related topics:

- The development of analytical and computational aerodynamic methods;
- Emerging advanced fan design methodologies;
- The application of analytical and computational methods for fan analysis, design and optimization;
- Structural mechanical aspects (vibration, fatigue and flutter, preventive maintenance, condition monitoring, predictive maintenance);
- Experimental methods in fan analysis;
- Flow-induced and structure-borne fan noise;
- Methods of sound source localization in fans;
- Aeroacoustic models and computational (aero)acoustic methods;
- Psychoacoustics: product sound quality, perception of annoyance;
- Compliance with legislation and regulations;
- Connectivity technologies and digital services;
- Fan system effect.

