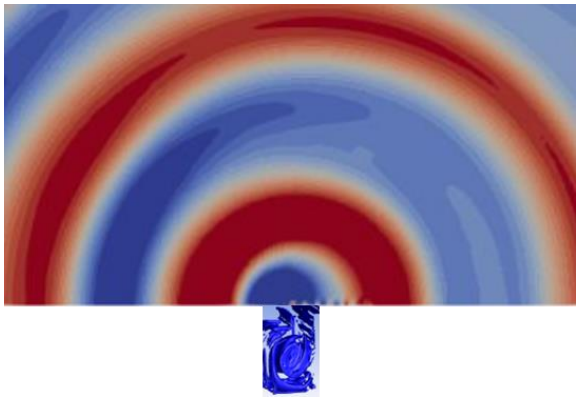
Special Issue of *Acta Acustica* on "Aeroacoustics: State of Art and Future Trends"

Call for papers



Guest editors

- Roberto Camussi, University Roma Tre, Italy
- Young Moon, Korea University, Seoul, Korea
- Manfred Kaltebacher, TU Graz, Austria

Provisional timeline:

- Article submission deadline: January 2022
- First round of review: May 2022
- First papers published: September 2022

General: Aircraft noise is obviously caused by the aerodynamic sound sources on the aircraft (e.g. engines, propellers, rotors, high-lift aids, landing gears, etc.). A large part of the noise in ground-based vehicles and in technical installations (fans, valves, vents, ventilation systems, HVAC systems, turbomachinery, etc.) is also due to flow processes. In addition to the theoretical and experimental description of flow sound sources, numerical simulation has developed as a third pillar of aeroacoustic analysis. The aim of the special issue is to present the latest developments and future trends in the physical modelling, measurement technology and numerical simulation as well as practical applications.

Topics:

- Physical modeling, measurement technology and numerical simulation
- Acoustic source localization and analysis
- Flow – acoustic feedback mechanism
- Fluid – Solid – Acoustic (FSA) Interaction including flow induced and vibrational sound
- Benchmark cases in aeroacoustics

Please submit your articles to the Special Issue via the submission system of *Acta Acustica* at: https://www.editorialmanager.com/aacus/ before the 31st of January 2022.