

## COMPUTATIONAL EXPERIMENT IN AEROACOUSTICS (MINI-CEAA)

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### ABSTRACT

With the environmental impact of aviation taking center-stage in the priorities of aerospace manufacturers and aircraft operators [1], this mini-symposium aims to bring together researchers interested in performing computational experiments in aeroacoustics. This mini-symposium is borrowing the theme of the regular International Workshops “Computational Experiment in AeroAcoustics” (CEAA) [2] that run every two years and is inviting papers on various developments (theoretical studies, numerical schemes, physical experiments and applications) which relate to computations in the broad aeroacoustics field.

Aeroacoustics is seen as the driving force behind developing better Computational Fluid Dynamics (CFD) methods and therefore, the impact of the research targeted in this mini-symposium goes beyond the regime of aeroacoustics and extends to fluid mechanics and aerodynamics. Papers submitted to the mini-symposium should include novel numerical schemes and computational techniques that enhance the fidelity of the predicted noise from CFD, analytical solutions of the aeroacoustic equations which can be used for verification, detailed studies of canonical aeroacoustic cases and new experimental cases for validation as well as relevant applications in aerospace industry including airframe noise, aero-engine noise, noise from rotors and propellers, jet and rocket noise.

For any further request, please contact the mini-symposium or the conference organisers: [eccm-ecfd2018@cimne.upc.edu](mailto:eccm-ecfd2018@cimne.upc.edu)

#### REFERENCES

- [1] <http://www.acare4europe.com>
- [2] <http://ceaa-w.imamod.ru>