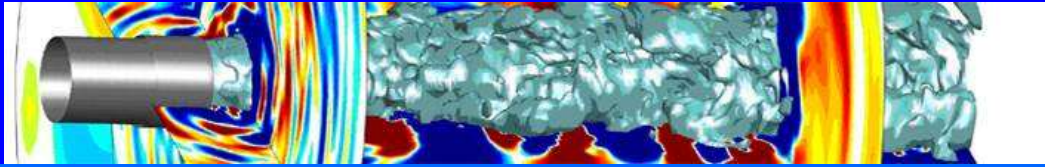


Computational Aeroacoustics, IV

TU Wien - Vienna, Austria

26-27 March 2024



Computational Aeroacoustics, IV (4th Delivery)

26-27 March 2023, TU Wien, Building BA, Getreidemarkt 9, 1060 Wien, Austria

Lecturers

- **Dr Christophe Bogey**, Ecole Centrale de Lyon, France, christophe.bogey@ec-lyon.fr
- **Pr Gwenael Gabard**, LAUM, Le Mans Université, France, gwenael.gabard@univ-lemans.fr
- **Dr Felix Gendre**, CS Group, France, felix.gendre@csgroup.eu
- **Pr Stefan Schoder**, TU Graz, Austria, stefan.schoder@tugraz.at
- **Pr Wolfgang Schröder**, Institute of Aerodynamics, Aachen, Germany, wsch@aia.rwth-aachen.de

26 March 2024

08:00 – Registration & Coffee
08:30 – Acoustic sources, Lighthill and FWH analogies (S. Schoder)
09:30 – Vortex sound theory (S. Schoder)
10:30 – Refreshments
11:00 – Direct noise computation (C. Bogey)
12:00 – Lunch
14:00 – Examples of direct aerodynamic noise predictions (C. Bogey)
15:00 – Aeroacoustic simulations with unstructured grids (G. Gabard)
16:00 – Refreshments
16:30 – Duct acoustics (G. Gabard)
17:30 – Q&A
18:00 – Close

27 March 2024

08:00 – Coffee
08:30 – Hybrid APE/LES Analysis: Part I Theory (W. Schröder)
09:30 – Hybrid APE/LES Analysis: Part II Airframe, Jet, and Combustion Noise (W. Schröder)
10:30 – Refreshments
11:00 – Aeroacoustic simulations using LBM (F. Gendre)
12:00 – Lunch
13:30 – Aeroacoustic simulations using LBM (F. Gendre)
14:30 – Q&A
15:00 – Close