



KU LEUVEN

“FLY QUIET”

Leuven, September 5, 2019

Workshop

The Fly Quiet workshop is set up jointly by ABAV – the Belgian Acoustic Society – (www.abav.be) and the KU Leuven Noise and Vibration Research Group (www.mech.kuleuven.be/mod). The workshop program brings together speakers from both research and industry communities and focusses on innovations in quiet aircraft.

Registration

Participation is free of charge, but registration is required. To register, send an email with your full contact details to bert.pluymers@kuleuven.be before August 31st, 2019.

Venue

Room De Grootte (room no. 00.205 at the ground floor) of the KU Leuven Mechanical Engineering Department, Celestijnenlaan 300, 3001 Heverlee.

Route description: www.mech.kuleuven.be/en/about-us/route_discription

Tentative program

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| 13h00 | Registration & welcome |
| 13h30 | Opening |
| 13h45 | Hybrid-Electrical Propulsion – Disrupting the way you will fly!
<i>Thierry Olbrechts, Siemens</i> |
| 14h15 | Vibro-acoustic metamaterials as enabler of light and compact NVH solutions
<i>Lucas Van Belle, KU Leuven</i> |
| 14h45 | Propeller noise prediction using a semi-analytical method
<i>Joachim Dominique, Von Karman Institute for Fluid Dynamics</i> |
| 15h15 | Coffee break |
| 15h45 | Acoustic FlightLAB – Test platform for aircraft vibro-acoustic optimization
<i>Christian Thomas, Airbus</i> |
| 16h15 | MIMO control strategies for acoustic qualification tests of aerospace structures
<i>Mariano Blanco, Siemens</i> |
| 16h45 | Design of silent flow duct systems for aircraft applications
<i>Hervé Denayer, KU Leuven</i> |
| 17h15 | Closing |
| 17h30 | Drink |