

## RESONANCE 2023



Identifiant de la contribution : 159

Type : **Oral presentation**

# Keynote / Dr. Julien Caillet, Acoustics - ETGV, Airbus Helicopters

*mardi 11 juillet 2023 09:40 (40)*

**Title:**

eVTOL noise acceptance : a short overview from the perspective of a helicopter manufacturer.

**Abstract:**

New technologies such as distributed electric propulsion and autonomy offer new opportunities for VTOL designs and operations. They are also new challenges for engineers, since noise may be a major barrier for a large deployment of such new vehicles. The presentation will focus on eVTOL noise and will include discussion on the noise sources, acceptance, and the potential solutions to reduce noise for communities and passengers. Dr. Julien Caillet is an acoustic expert at Airbus Helicopters, also in charge of noise certification activities. He had a PhD on helicopter interior noise diagnosis and modelling in 2006. He has over 20 years of acoustics engineering and project management experience with expertise in developing low noise technology for helicopters. He currently supports UAM acoustics activities within Airbus Group and coordinates research projects on Helicopter & eVTOL Low noise design and acceptance.

**Presenter(s) :** FRANK SIMON; JULIEN CAILLET (ETGV, Airbus Helicopters)