



University of
Salford
MANCHESTER

ONLINE APPLICANT EVENT

Studying Acoustics at Salford



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How can we make drones quieter?

Antonio J Torija-Martinez, Acoustics Research Centre



@ajtorija





<https://www.nasa.gov/langley/virtualtour/>



DR ANTONIO J TORIJA MARTINEZ



What do I teach?

The screenshot shows a university course page for 'ACOUSTICAL AND AUDIO ENGINEERING' at the School of Science, Engineering and Environment. The course is an undergraduate BEng (Hons) program, full-time with placement, lasting three years (or four years with placement), starting in September 2020. A red 'APPLY' button is visible. Below the main course information, there are tabs for 'Course details', 'Employment', 'Requirements', and 'Apply now'. The 'Requirements' tab is active, showing a list of courses for Year three. Two courses are circled in red: 'Environmental Noise Measurement' and 'Noise Control (year two part-time)'. Other courses listed include 'Measurement Analysis and Assessment' and 'Computer Simulation for Acoustics (year one for part time)'.

Attendance	Course	Next enrolment
Full-time With placement	Three year Four year	September 2020

VIEW [Course details](#) [Employment](#) [Requirements](#) [Apply now](#) [Open](#)

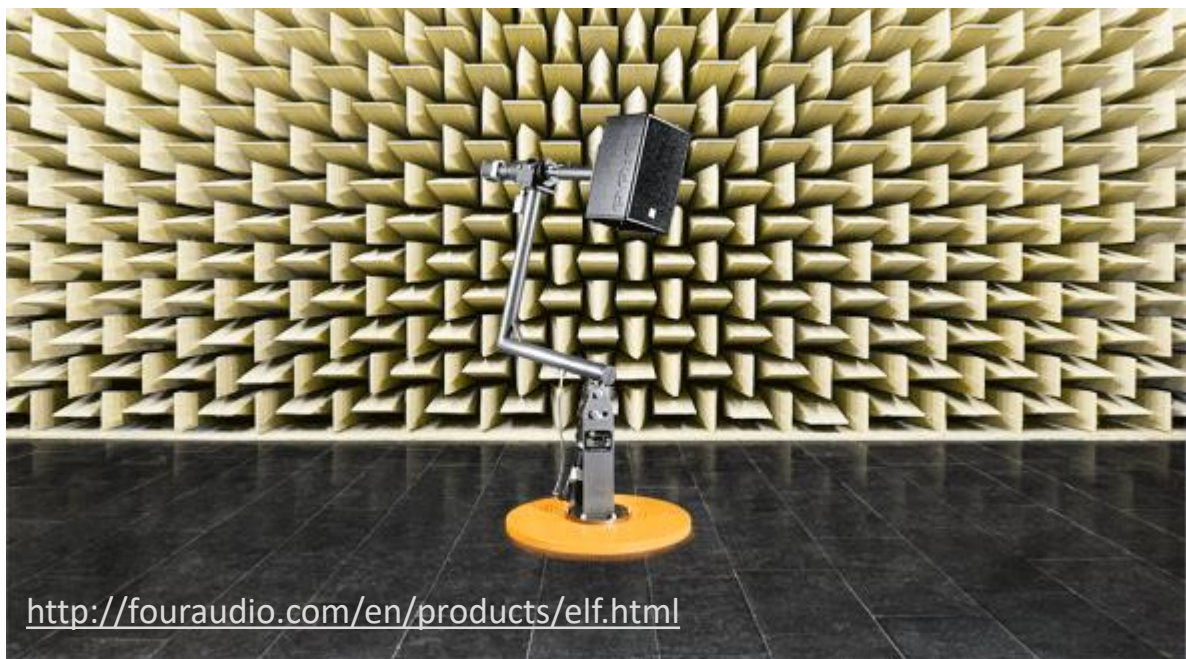
Year three

- Environmental Noise Measurement +
- Measurement Analysis and Assessment +
- Computer Simulation for Acoustics (year one for part time) +
- Noise Control (year two part-time) +

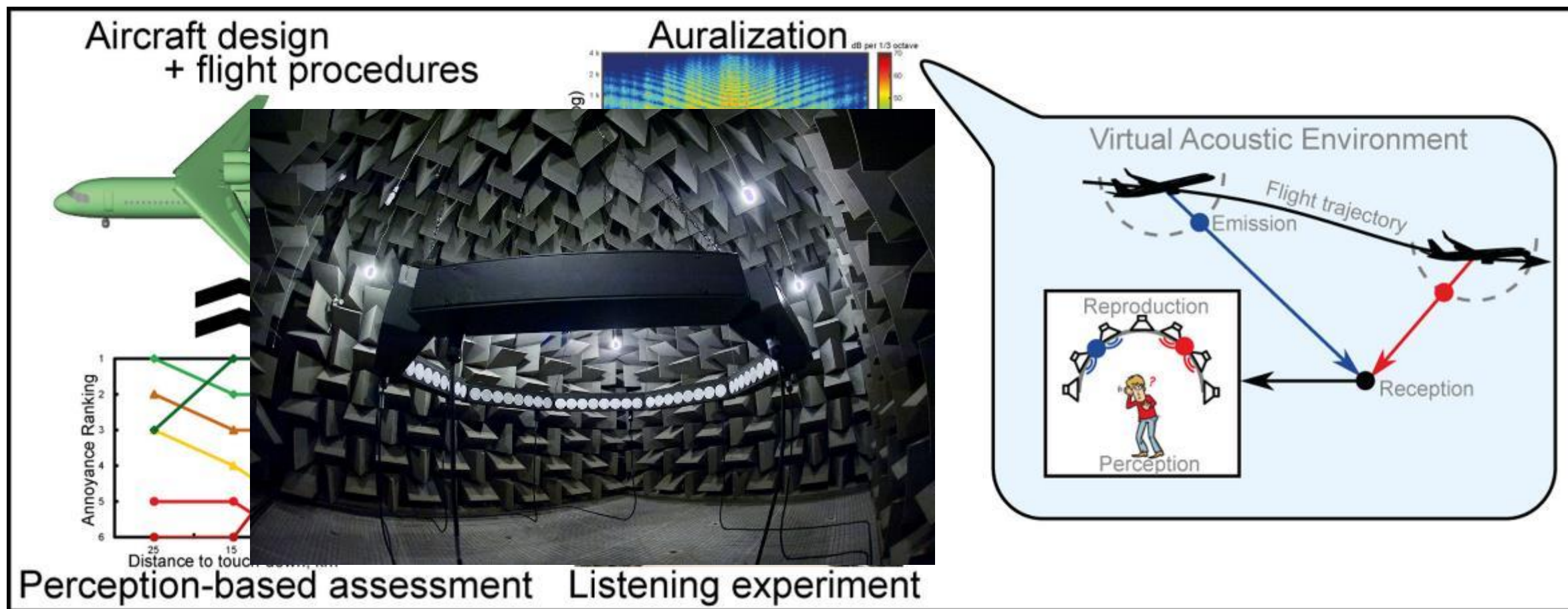
3 Year & MSc

- ENM: environmental noise measurement in the context of realistic scenarios
- Noise Control: how to select appropriate noise control options for realistic environmental and industrial noise scenarios

World-class facilities for noise measurement



Perception-Influenced Design



Auralisation

Recording



Auralisation



Take-home message

- Coupling psychoacoustics and auralisation with simulation of highly immersive sound scenes
 - accurate community noise impact assessment of novel aircraft configurations,
 - Aid industry to design vehicles with minor impact on public health.



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