

ODEON Measurement Workshop * 11 September 2024

This workshop takes the participants through the measurement tools of ODEON and covers lectures, hands-on exercises, as well as related publications material.

Please make sure to download the latest version of the ODEON Combined from [this page](#). An installation copy of the most recent ODEON version and license will also be provided for use during the course.

It is important to bring your own computer with administrator rights in order to install any necessary software in situ. Check ODEON's system requirements [here](#). Measurement hardware (sources, microphones) will be available, so there is no need to bring your own. Most measurements will be performed by the instructors, but the participants are welcome to assist in the process or try themselves.

Instructors:

Mario Alfredo M. Sandoval, George Koutsouris, Claus L. Christensen.

PROGRAM

Wednesday 11 September

- 09:00 Registration, welcome, and setup**
- 09:15 Room acoustic measurements – Methods, precision, sources of error (air absorption)**
Presentation
- 10:00 ODEON's measuring interface**
Presentation
- 10.30 Coffee Break**
- 10:45 Measurements with hand claps, balloon and sine sweeps**
Hands-On exercise
- 12:00 Lunch**
- 12:45 Measurements with a 1st order ambisonics microphone**
Hands-On exercise
- 13:15 Calibration of measurements**
Presentation
- 13:45 Calibration at the reverberation chamber**
Hands-On exercise (DTU Acoustic lab, next to course facilities)
- 14:45 Coffee Break**
- 15:00 Measurements in open-plan offices**
Hands-On exercise
- 16:30 End of day**