

ODEON Measurement Workshop * 7 June 2023

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:

Jens Holger Rindel, Claus L. Christensen, George Koutsouris, Mario Alfredo M. Sandoval.

PROGRAM

Wednesday 7th June

- 09:00 Registration, welcome, and setup**
- 09:15 Room acoustic measurements – Methods, precision, sources of error**
Presentation
- 10:00 ODEON's measuring interface**
Presentation
- 10.30 Coffee Break**
- 10:45 Simple measurements with hand clap or balloon***
Hands-On exercise
- 11:15 Measurements with sine sweep***
Hands-On exercise
- 12:00 Measurements with a 1st order ambisonic microphone***
Hands-On exercise
- 12:30 Lunch**
- 13:30 Calibration of measurements**
Presentation
- 14:00 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
- 16:00 Special measurement applications - discussion**
- 16:30 End of day**

* Taking place at the Auditorium next to course facilities