

## ODEON Measurement Workshop \* 29 September 2021

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 <https://odeon.dk/downloads/odeon-installations-updates/>. An installation copy of the most recent beta 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. ODEON is compatible with Windows Vista, 7, 8, or 10 (32 or 64-bit).**

**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 Lynge Christensen, George Koutsouris, Antoine Richard.

## PROGRAM

*Wednesday 29<sup>th</sup> September*

- 09:00 Registration, welcome, and setup**
- 09:15 Room acoustic measurements – Methods, precision, sources of error**  
Presentation
- 10:00 Simple measurements with hand clap or balloon**  
Hands-On exercise
- 10:45 Coffee Break**
- 11:00 Measurements with sine sweep**  
Hands-On exercise
- 11:45 Measurements with 1<sup>st</sup> order ambisonics microphone**  
Hands-On exercise
- 12:30 Lunch**
- 13:30 Calibration of measurement (DTU reverberation room)**  
Hands-On exercise
- 14:45 Coffee Break**
- 15:00 Measurements in open-plan office**  
Hands-On exercise
- 16:00 Special measurement applications**
- 16:30 End of day**