

ODEON Master Class * 22-23 September 2022

This master class is for experienced users of ODEON, and covers lectures and 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. In addition, if you wish to make modifications of ODEON files in SketchUp (optional), please download one of the latest [SketchUp Pro](#) versions (a 30-day free trial is also available).

It is important to bring your own computer with administrator rights in order to install any necessary provided software. Check ODEON's system requirements [here](#).

Note: *Each participant should bring a case for discussion, to be presented at the end of the day (either first or second). It can be either a case that needs feedback or just a worth-mentioning special example.*

Instructors:

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PROGRAM

Thursday 22th September

- 09:00 Registration, welcome, and setup**
- 09:15 Simple rooms with non-diffuse sound field**
Presentation
- 09:45 The Genetic Material Optimizer (Sports hall)**
Hands-On exercise
- 10:45 Coffee Break**
- 11:00 The Lombard effect and estimation of acoustic capacity**
Presentation
- 11:45 Modelling the noise in a cafeteria using dynamic surface sources**
Hands-On exercise
- 12:30 Lunch**
- 13:30 Multi-source auralisation of conversation in cafeteria**
Hands-On exercise
- 14:30 Coffee Break - Demonstration through ODEON's speaker layout.**
- 15:30 Cases from participants**
- 16:30 End of day 1**
- 17:30 Social dinner at Fortunen (Ved Fortunen 33, 2800 Kongens Lyngby)**

Friday 23st September

- 09:00 Breakfast and setup**
- 09:15 Room acoustic parameters – define new ones (Concert hall)**
Hands-On exercise
- 10:00 Advanced grid responses and colour scales**
Hands-On exercise
- 10:45 Coffee Break**
- 11:00 Scattering, echo, focusing**
Hands-On exercise
- 11:45 Flutter echo (sports hall case, PVC walls)**
Presentation
- 12:30 Lunch**
- 13:30 Modelling traffic noise (reflection paths and diffraction)**
Hands-On exercise
- 14:15 Coffee Break**
- 14:30 Cases from participants**
- 16:00 End of day 2**