ODEON Advanced Course * 9-10 September 2024

This advanced course 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.

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PROGRAM

Monday 9 September

09:00   Registration, welcome, and setup

09:15   Importing SketchUp files, CAD files and BIM projects in IFC format
Presentation & Hands-On exercise

10:00   Coffee Break

10:15   Adjustment of materials using measured acoustic data (Sports hall)
Hands-On exercise

11:15   Modelling the noise in a cafeteria using dynamic sound sources
Hands-On exercise

12:00   Lunch

12:45   Introduction to auralisations
Presentation

13:15   Multi-source auralisation of conversation in cafeteria
Hands-On exercise

14:15   Coffee Break

14:30   Demonstration through ODEON's speaker layout

15:15   Room acoustic parameters – define new ones (Concert hall)
Hands-On exercise

16:00   Questions and discussions

16:30   End of day

17:30   Social dinner

Tuesday 10 September

09:00   **Breakfast and setup**

09:15   **Calculation methods in ODEON**

10:00   **Define and calculate materials in ODEON**
Hands-On exercise

10:45   **Coffee Break**

11:00   **Modelling traffic noise**
Hands-On exercise

11:45   **Advanced grid responses and colour scales**
Presentation

12:00   **Lunch**

12:45   **Scattering, echo, focusing**
Hands-On exercise

13:30   **Flutter echo (sports hall case, PVC walls)**
Presentation

14:15   **Open plan offices (ISO 3382-3 - 2nd edition)**
Hands-On exercise

14:45   **Coffee Break**

15:00   **Comparison tool in ODEON**
Hands-On exercise

15:30   **News in ODEON 19**

16:00   **End of day 2**