

## 3 Day EASE Seminar

28<sup>th</sup>, 29<sup>th</sup> and 30<sup>th</sup> April 2010

Location: ADA Acoustic Design Ahnert, Berlin, Germany

Language: English

### 1. Day

- Introduction and overview
- Concept of and need for acoustical simulation
- Program modules and general settings in EASE
- Construction of a room model in EASE, closing the model, checking holes
- Determination of the properties of wall materials, resulting statistical reverberation time
- Adding loudspeakers, audience areas and listener seats to the model
- Looking at the rendered model and first calculations in Standard Mapping

### 2. Day

- Advanced functions for a faster and more efficient work in Edit Room (How to work with Objects, Tables and Optimize Room RT)
- Import / export functions (DXF, ASCII)
- Speaker Database / Wall Material Database
- Details / background of Standard Mapping (maximum levels, speech intelligibility)
- Auralisation of direct sound from Standard Mapping
- Line array simulation in EASE based on DLLs

### 3. Day

- Ray Tracing Fundamentals
- Use of Raytracing Impacts (cases of use, calculation settings, analysis in Probe)
- Using AURA Mapping / AURA Response (cases of use, scattering coefficients, calculation settings, analysis and comparison of results).
- Auralisation of AURA Response and Raytracing Impact files, special acoustical cases
- Accuracy-calculation-time trade off for different calculation methods
- Exporting results from EASE to measurement programs (EASERA) for direct comparison of measurement and simulation
- Presentation utilizing Vision

### Who is concerned?

- **for beginners who work with EASE Junior:**  
Covers all functions available in EASE Junior.
- **for advanced users who already know how to build a model in EASE:**  
Working fast and efficient with EASE, covers advanced simulation and auralisation.

Participation fee (3 days): 700,- €  
Minimum number of participants is 8.

---

Contact for registration: phone: +49 30 467092-0  
e-mail: [info@ada-acousticdesign.de](mailto:info@ada-acousticdesign.de)