



Psychoacoustics and Soundscapes

May 28 - 30, 2015

Herzogenrath, Germany





SEMINAR OBJECTIVES

This seminar will illustrate how to apply psychoacoustics and to implement the soundscape approach to improve (urban) acoustical environments.

Exercises in performing and analyzing field measurements, listening tests, interviews, and psychoacoustic analyses will be interspersed throughout the seminar with the lectures.

The seminar is intended to familiarize the participants with the concept of soundscape, the operation of measurement equipment, the psychoacoustic analysis of noise recordings, the performance of interviews, and the interpretation of results.

The psychoacoustics and soundscapes seminar is ideal for all acoustic and environmental engineers, and urban planners and architects interested in the improvement of urban acoustical environments beyond (conventional) environmental noise assessment measures.

DURATION

Three-day seminar

Day 1: 12 AM to 7 PM

Day 2: 9 AM to 6 PM

Day 3: 9 AM to 2 PM

Lunch and coffee are provided each day



SEMINAR OUTLINE DAY 1

Psychoacoustics – Tools and methods

Demonstration of binaural phenomena

Introduction to soundscape approach – Concepts and projects

Measurement of acoustical environments

Introduction to soundwalking

Soundscape case study (field survey)

SEMINAR OUTLINE DAY 2

Current status of international soundscape standard

Psychoacoustic analysis of field data

Introduction to interview methods

Introduction to listening experiments

Conduction and analysis of a listening experiment

SEMINAR OUTLINE DAY 3

Discussion of results of soundscape case study

Comparison of case study results to previous soundscape measurement campaigns

Summary of psychoacoustic tools and soundscape methods

Lecturers:

Prof. Dr. Brigitte Schulte-Fortkamp, TU Berlin

Prof. Dr. Klaus Genuit, HEAD acoustics GmbH

André Fiebig, M.A., HEAD acoustics GmbH

Seminar language:

English

Registration:

Please send an e-mail to trainingcenter@head-acoustics.de.

Costs:

€ 400 (plus 19 % VAT)

Payment terms:

The training fees are invoiced 10 days before the training date.



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