

## EAA Summer school on Acoustics

### Timetable - map



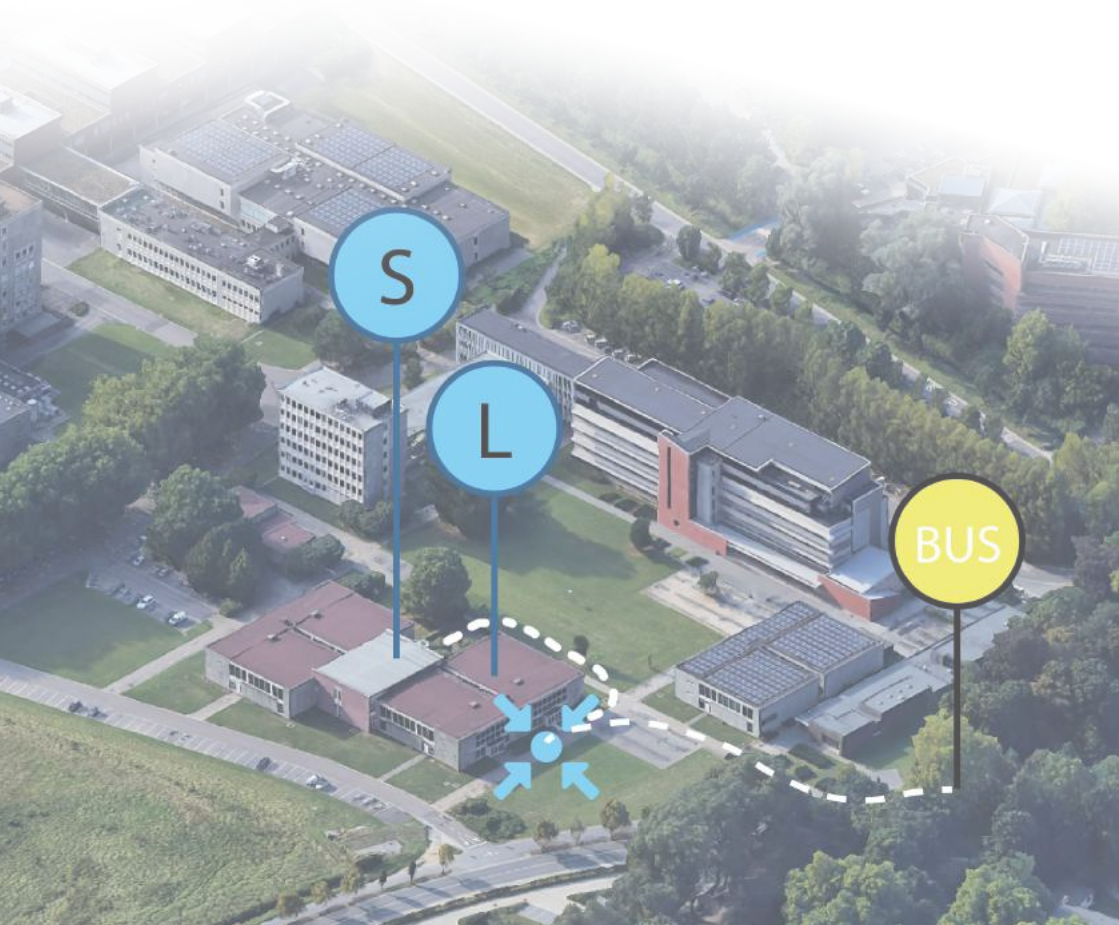
Friday 06/09 13-14h: registration



Approaching acoustics



Hot Topics 1-4



# / Approaching Acoustics /



200 L



Friday 06/09

13:00-14:00 Registration in L

14:00-14:15 Opening of summer school in L

14:15-14:45 What is acoustics? \_\_\_\_\_ Monika Rychtarikova  
- KULeuven -

coffee break in L

15:00-16:30 Hearing \_\_\_\_\_ Armin Kohlraush  
- TU Eindhoven -

coffee break in L

17:00-18:30 Measurements / Simulations \_\_\_\_\_ Wim Desmet  
- KULeuven -

20:00-22:00 Football playing / match



Saturday 07/09

08:30-10:00 Acoustic materials \_\_\_\_\_ Elke Deckers  
- KULeuven -

coffee break in L

10:30-12:00 Musical acoustics \_\_\_\_\_ Murray Campbell  
- Edinburgh University -

12:00-13:30 Lunch Break in L

13:30-14:00 Group photo in front of L building

14:00-15:30 Room acoustics \_\_\_\_\_ Martijn Vercammen  
- Peutz Consultants, Belgium -

coffee break in L

16:00-17:30 Building acoustics \_\_\_\_\_ Jens Holger-Rindel  
- Odeon, Denmark -



Sunday 08/09

08:30-10:00 Ultrasonic characterisation of porous materials \_\_\_\_\_ Philippe Leclaire  
- ISAT - Univ. Bourgogne -

coffee break in L

10:30-12:00 Final exam

12:00-12:30 Lunch package pick-up in L

12:30-13:00 Closing of summer school (handing out certificates)

13:00 Departure of the bus to Aachen

# / Hot Topic 1: Computational modeling in physiological and psychological acoustics /



200 S 00.03

## Friday 06/09

- 13:00-14:00 Registration in L
- 14:00-14:15 Opening of summer school in L
- 14:15-15:30 Auditory models and their potential application in hearing technology — Torsten Dau - DTU, Lyngby -
- coffee break in L
- 16:00-17:30 Student self-introduction (5 min. each)
- 20:00-22:00 Football playing / match

## Saturday 07/09

- 08:30-10:00 Binaural modeling — Mathias Dietz - U Oldenburg -
- coffee break in L
- 10:30-12:00 Question authority: Predicting perceptual pitch phenomena with a new model based on peripheral and central physiology — Laurel Carney - U Rochester -
- coffee break in L
- 12:00-13:30 Lunch Break in L
- 13:30-14:00 Group photo in front of L building
- 14:00-15:30 Machine learning applications to auditory modeling — Shihab Shamma - LSP Paris -
- coffee break in L
- 16:00-17:30 Hearing loss applications of advanced auditory models — Sarah Verhulst - U Gent -

## Sunday 08/09

- 08:30-10:00 Advances and challenges in modeling cochlear implant stimulation — Ian Bruce - McMaster U -
- coffee break in L
- 10:30-12:00 Final exam
- 12:00-12:30 Lunch package pick-up in L
- 12:30-13:00 Closing of summer school (handing out certificates)
- 13:00 Departure of the bus to Aachen

# / Hot Topic 2: Smart City Sound /



200 S 01.03

## Friday 06/09

13:00-14:00 Registration in L

14:00-14:15 Opening of summer school in L

14:15-15:30 Introduction to Smart city sound \_\_\_\_\_ Dick Botteldooren  
- U Gent -

coffee break in L

16:00-17:30 Student self-introduction (5 min. each)

20:00-22:00 Football playing / match

## Saturday 07/09

08:30-10:00 Co-creation of urban soundscapes (including methods \_\_\_\_\_ Francesco Aletta  
for getting people's opinion) - UCL -

coffee break in L

10:30-12:00 Smart mobility and traffic (how to smartly organise \_\_\_\_\_ Arnaud Can  
road, rail, ...) - IFSTTAR -

12:00-13:30 Lunch Break in L

13:30-14:00 Group photo in front of L building

14:00-15:30 Urban sound propagation control (street acoustics, \_\_\_\_\_ Timothy Van Renterghem  
canyon-to-canyon propagation, greening) - UGent -

coffee break in L

16:00-17:30 Smart sound monitoring (including new \_\_\_\_\_ Dick Botteldooren  
technologies for measuring) - UGent -

## Sunday 08/09

08:30-10:00 Urban psycho-acoustics \_\_\_\_\_ André Fiebig  
coffee break in L - TU Berlin -

10:30-12:00 final exam

12:00-12:30 Lunch package pick-up in L

12:30-13:00 Closing of summer school (handing out certificates)

13:00 Departure of the bus to Aachen

# / Hot Topic 3: Acoustic metamaterials and sonic crystals /



200 S 01.04

## Friday 06/09

13:00-14:00 Registration in L

14:00-14:15 Opening of summer school in L

14:00-15:30 Student self-introduction (5 min. each)

coffee break in L

16:00-17:30 Introduction to Brillouin zone and Plane Wave Expansion \_\_\_\_\_ Alejandro Cebrecos  
- i3M, CSIC -

20:00-22:00 Football playing / match

## Saturday 07/09

08:30-10:00 Introduction to Multiple Scattering Theory \_\_\_\_\_ Jean-Philippe Groby  
- LAUM, UMR CNRS 6613 -

coffee break in L

10:30-12:00 Sonic crystals \_\_\_\_\_ Alejandro Cebrecos  
- i3M, CSIC -

coffee break in L

12:00-13:30 Lunch Break in L

13:30-14:00 Group photo in front of L building

14:00-15:30 Introduction to acoustic metamaterials \_\_\_\_\_ Jean-Philippe Groby  
- LAUM, UMR CNRS 6613 -

coffee break in L

16:00-17:30 Homogenization theory \_\_\_\_\_ Agnes Maurel  
- Institut Langevin, UMR  
CNRS 7587-

## Sunday 08/09

08:30-10:00 Numerical simulation and application of metamaterials in vibroacoustics \_\_\_\_\_ Lucas Van Belle  
- KULeuven -

coffee break in L

10:30-12:00 Final exam

12:00-12:30 Lunch package pick-up in L

12:30-13:00 Closing of summer school (handing out certificates)

13:00 Departure of the bus to Aachen

# / Hot topic 4 : acoustic imaging /



200 S 00.04

## Friday 06/09

13:00-14:00 Registration in L

14:00-14:15 Opening of summer school in L

14:15-15:30 Beam forming, principles of acoustic camera — Michael Kerscher  
- GFai -

coffee break in L

16:00-17:30 Laser doppler vibrometry applications in acoustics — Bert Roozen  
- KULeuven -

20:00-22:00 Football playing / match

## Saturday 07/09

08:30-10:00 Recent advances in ultrasound echography — Jan D'Hooge  
- UZ Leuven -

coffee break in L

10:30-12:00 Student self-introduction (5 min. each)

12:00-13:30 Lunch Break in L

13:30-14:00 Group photo in front of L building

14:00-15:30 Spatially resolved acoustic spectroscopy for imaging material microstructure — Matt Clark  
- U of Nottingham -

coffee break in L

16:00-17:30 Picosecond ultrasonics for tomography of biological cells — Matt Clark  
- U of Nottingham -

## Sunday 08/09

08:30-10:00 Photoacoustic imaging for non-destructive testing — Christ Glorieux  
- KULeuven -

coffee break in L

10:30-12:00 Final exam

12:00-12:30 Lunch package pick-up in L

12:30-13:00 Closing of the summer school (handing out certificates)

13:00 Departure of the bus to Aachen



