Courses
The EAA Summer School and the Forum for Young Acousticians will be held on the 11th and 12th of June, 2016. The Summer School will be composed of several topic-focused courses, dealing with some of the most actual topics in acoustics. Seven courses, given in English, are expected to occur along the two days (3 full day, 2 half day, and 2 full and half day), covering topics such as:

- **APA—Approaching Acoustics** (full day) - no registration fee for students (except PhD)
  - Lectured by: various teachers, to be given by tutors from other courses
  - Keywords: Hearing; Effects of noise on people; Insights into environmental and building acoustics; Brief overview of room acoustics and sound quality; Acoustic measurements

- **ENA—Environmental acoustics and smart cities** (full and half day)
  - Lectured by: Juan Miguel Navarro, Ricardo Hernández, José Luis Cueto
  - Keywords: Noise map; Annoyance; Urban planning; Noise source; Smart City; Arduino; Raspberry; IoT; Sound detection; Sound monitoring

- **SAVB—Sustainable acoustics and vibrations in buildings** (full and half day)
  - Lectured by: María Machimbarrena, Sean Smith, Rui Calejo, Miguel Matos Neves
  - Keywords: Sound and vibration propagation in buildings; Wave transmission through joints of walls; Sound and vibration isolation; Sustainable materials: cork composites; Acoustics, energy and structure technical compatibility; Robust details and workmanship effects; SNQs and low frequency; Acoustic classification scheme for buildings

- **RMA—Room and musical acoustics** (full day)
  - Lectured by: José Antunes, Vincent Debut, Octávio Inácio
  - Keywords: Musical instruments; Physical-based modelling; Sound synthesis; Numerical simulation; Nonlinear dynamics; System optimization; Acoustical parameters; Room acoustics; Concert halls

- **3DVA—3D virtual acoustics** (half day)
  - Lectured by: Michael Vorlander, Diogo Alarcão
  - Keywords: Geometrical acoustics; Indoor and outdoor sound simulation; Auralization; Real time signal processing; Binaural and multi-channel sound rendering

- **NMA—Numerical methods in acoustics** (half day)
  - Lectured by: Jonathan Hargreaves
  - Keywords: Finite Element Method; Boundary Element Method; A short course for acousticians

- **SPM—Sound propagation in special media** (full day)
  - Lectured by: Michael Taroudakis, Victor Espinosa
  - Keywords: Underwater acoustics; Sound propagation in the sea; Inverse problems in acoustical oceanography; OceanAcoustic tomography; Sea-bed reconstruction; Fisheries acoustics and other applications of underwater acoustics

Timetable
The EAA Summer School courses will take place according to the timetable:

<table>
<thead>
<tr>
<th>Day 1 — Sat, 11th June</th>
<th>Room 1</th>
<th>Room 2</th>
<th>Room 3</th>
<th>Room 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Morning</td>
<td>NMA</td>
<td>SAVB</td>
<td>ENA</td>
<td>SPM</td>
</tr>
<tr>
<td>Afternoon</td>
<td>3DVA</td>
<td>SAVB</td>
<td>ENA</td>
<td>SPM</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Day 2 — Sun, 12th June</th>
<th>Room 1</th>
<th>Room 2</th>
<th>Room 3</th>
<th>Room 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Morning</td>
<td>APA</td>
<td>SAVB</td>
<td>ENA</td>
<td>RMA</td>
</tr>
<tr>
<td>Afternoon</td>
<td>APA</td>
<td>SAVB</td>
<td>ENA</td>
<td>RMA</td>
</tr>
</tbody>
</table>
This EAA Summer School is a part of EuroRegio Conference, which is a triennial international convention. The EuroRegio2016 is organized by the Portuguese and Spanish Acoustical Societies (SPA & SEA) on behalf of the European Acoustics Association (EAA). It is a congress comprising a variety of different activities: Papers, Invited Speakers, Lectures, and Technical presentation of Products and Services.

EAA Summer School Organizing Committee
Maria Machimbarrena and Rui Calejo Rodrigues (Co-Chairs)
Cristina Zamorano (YAN Chair)
Michael Vorlander (Scientific Advisor)
Paulo Amado Mendes (Executive Manager)

Costs and Registration
The following fees will be charged for the EAA Summer School courses:
- € 50 for a half day course
- € 75 for a full day course
- € 100 for a full and half day course

The course APA—Approaching Acoustics is FREE for students (excluding PhD students).

Attendance to the EAA Summer School Courses will also allow students, documented as such, to also attend the EuroRegio 2016 Congress for FREE, except for those registered at course APA. Each course will be only held with a minimum of 10 participants.

Travel Grants sponsored by the Portuguese and Spanish Acoustical Societies (SPA & SEA) and by the International Commission for Acoustics (ICA) will be offered for students. Take a look at the Grants section on the Congress webpage and download the application form. Apply before April 15th 2016!

The online Registration for all courses will be made through the Congress Registration webpage.

Optative Exams and ECTS credits
Optative Exams will be provided (on the afternoon of the 13th June) and Certificates for recommended ECTS credits will be given in case of success:
- 0.5 ECTS for a half day course / 1 ECTS for a full day course / 1.5 ECTS for a full and half day course

Venue
The EAA Summer School will be hosted in the Faculty of Engineering of the University of Porto (FEUP), in the city of Porto, Portugal. The Faculty presents modern buildings and infrastructures, inaugurated in 2001. Several engineering courses are taught in FEUP, such as Mechanical Engineering, Civil Engineering, Computer Engineering, Chemical Engineering, Electrical Engineering and Environmental Engineering.

Accommodation
Special low-cost accommodation will be available for the participants in the EAA Summer School. Additionally, a number of hotels is available, for which special prices have been negotiated.