



EAA Summer School

The EAA Summer School for Young Acousticians will take place in the vibrant student city Leuven, Belgium from Friday noon 6, September till Sunday noon, 8 September, 2019, just after the International Congress on Ultrasonics (ICU2019) in Brugge, Belgium and shortly before the International Congress on Acoustics (ICA2019) in Aachen, Germany (a bit more than 1h from Leuven by train). Five lecture modules will be taught, and also an evaluation is foreseen on Sunday morning.

By following the full course, students can earn 1 ECTS point.

The first course, *Approaching Acoustics*, is intended for undergraduate / first-year graduate students only. Students will gain knowledge on fundamentals of physical acoustics, hearing auditory system, acoustic materials and noise control. This will be followed by basics of acoustics measurements and simulation methods, lessons of room and building acoustics. Noise control, musical acoustics and ultrasound will be not missing.

PhD students will get the opportunity to follow 4 hot topic modules, taught by international experts:

Hot Topic 1 - Computational modeling in physiological and psychological acoustics

(coordinated by Prof. Armin Kohlrausch, TU Eindhoven, the Netherlands)

Hot Topic 2 - Smart city sound

(coordinated by Prof. Dick Botteldooren, UGent, Belgium)

Hot Topic 3 - Acoustic metamaterials and sonic crystals

(coordinated by Dr. Jean-Phillippe Groby, Université du Maine, France)

Hot Topic 4 - Acoustic imaging (coordinated by Prof. Christ Glorieux, KU Leuven, Belgium)

The courses are basically free, except for a fee of 20 €. For participants in the Hot Topics courses the registration is included in the ICA congress registration fee (student category).

All courses will be concluded by exam on Sunday morning and students will be awarded ECTS points.

On Sunday afternoon, a free bus transport from Leuven to Aachen will be arranged.

For more information please visit the website <http://ica2019.org/ea-summer-school/>

A part of the Summer School will be a social event organized by the EAA Young Acousticians Network (YAN)

The summer school is organized by Prof. Monika Rychtarikova (KU Leuven, Belgium) and Prof. Em. Armin Kohlrausch (TU Eindhoven, the Netherlands)