



AUDIO ENGINEERING SOCIETY CALL for CONTRIBUTIONS

AES 60TH INTERNATIONAL CONFERENCE Dereverberation and Reverberation of Audio Music and Speech

Leuven, Belgium, February 3–5, 2016

www.aes.org/conferences/60



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The 60th AES International Conference will be held February 3–5, 2016 in Leuven, Belgium, at the Leuven Institute for Ireland in Europe (<http://www.leuveninstitute.eu>). This conference will focus on Dereverberation and Reverberation of Audio, Music, and Speech (DREAMS) and aims to bring together and provide a forum for researchers working on the modeling, control, removal, and synthesis of acoustic reverberation. The interdisciplinary nature of the topic will cover disciplines such as room acoustics, psychoacoustics, and signal processing.

Keynote lectures will include “Artificial Reverberation Synthesis” presented by Vesa Välimäki, professor of audio signal processing at Aalto University, Finland; “Signal Processing Aspects of Dereverberation and Reverberation” presented by Emanuël Habets, associate professor at the International Audio Laboratories Erlangen and a chief scientist for spatial audio processing at Fraunhofer IIS,

Germany; and “Psychoacoustics Aspects of Dereverberation and Reverberation” presented by Thomas Brand, senior scientist at the University of Oldenburg, Germany, where he is heading the Speech & Audiology research group.

Leuven is a relatively small city of about 100,000 inhabitants, and hosts the University of Leuven (KU Leuven), a nearly 600-year-old university where internationally acclaimed research, high-quality education, and societal outreach meet. Leuven is a pleasant and safe city, and is very hospitable to international visitors due to the large number of international undergraduate students enrolled at the university.

The conference will take place in the Leuven Institute for Ireland in Europe, a 17th century college that has been redesigned into a modern multipurpose residential conference center, located in the heart of the university city Leuven.

PROPOSED TOPICS

Room modeling, measurement, and simulation

Artificial reverberation synthesis

Perception of reverberation

Spatial sound

Sound field reproduction

Applications of spatial and reverberant audio processing

Speech enhancement

Beamforming

Room equalization

Robust automatic speech/speaker recognition

Perceptual evaluation of dereverberation algorithms

Applications of dereverberation

Instrumental measures for reverberation and dereverberation

SUBMISSION INFORMATION

The AES 60th Conference committee invites the submission of full papers of between 4 and 8 pages by **July 15, 2015** at www.aes.org/60th_authors. An author's kit describing paper format will also be available at that site. All submitted papers will be peer-reviewed before selection. Papers and author information may be submitted anytime after **March 17, 2015**. Acceptance of papers will be determined by the 60th Conference review committee, and authors will be informed of the decision by **September 25, 2015**. Final versions of papers following any revisions guided by the committee's review must be submitted by **December 1, 2015**. In addition to full papers, the committee will accept proposals for demonstrations, from both authors of papers and nonauthors. Email proposals for demonstrations to Jan Østergaard and Enzo De Sena <60th_demos@aes.org>, by **October 15, 2015**. Acceptance notifications will be emailed by **November 15**. Do not submit demonstration proposals to the papers site.

Registration: at least one author of each contribution must pay to register for the conference, and attend to present, or it will not be included in the proceedings. Any author wishing to attend the conference must pay the registration fee.

IMPORTANT DATES

Deadline for full-paper submissions: **2015 July 15**

Accepted authors notified by: **2015 September 25**

Deadline for demonstration proposals: **2015 October 15**

Accepted demonstrations notified by: **2015 November 15**

Deadline for final manuscripts and early registration: **2015 December 1**

Open Access

Authors will have the option of submitting Open Access papers.

