

Partners

EAA Joint Symposium on Auralization and Ambisonics

3-5 April, 2014 in Berlin

Invitation & Call for Papers



Integrating the
2nd International Auralization Symposium, and the
5th International Symposium on Ambisonics and Spherical Acoustics

EAA Joint Symposium on Auralization and Ambisonics 2014

Call for papers

The EAA Joint Symposium on Auralization and Ambisonics will be held on 3-5 April, 2014 in Berlin, hosted by the Audio Communication Group/TU Berlin in cooperation with the Federal Institute for Music Research (SIMPK) and the SEACEN Consortium for the Simulation and Evaluation of Acoustic Environments (www.seacen.tu-berlin.de).

This single-track conference will feature keynote addresses, oral presentations and posters. Topic of this event is auralization (i.e. making acoustic modeling and measurement results audible) and spherical and non-spherical approaches to sound field analysis and synthesis. Original submissions in all areas related to auralization and spatial sound field reproduction are invited. The possible topics include, but are not limited to the following:

- Spherical (Ambisonic) and non-spherical approaches to sound field simulation:
 - General theoretical considerations
 - Efficient numerical simulation
 - Measurement/Recording/Analysis
 - Signal processing
 - Auditory analysis, perceptual encoding
 - Representation, coding, standardization
- Auralization:
 - Room acoustical simulation and auralization
 - Headphone and loudspeaker based reproduction
 - Applications and case studies
 - Perceptual evaluation
 - Algorithmic modeling and implementation

Submissions and Schedule

The symposium will have full-paper peer-review. The maximum length of a submission is six pages.

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| • Abstract submission (250 words) | 01.08.2013 |
| • Notification of acceptance | 01.09.2013 |
| • Full paper submission | 01.12.2013 |
| • Early bird participant registration | 01.01.2014 |

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| • Review results published | 15.01.2014 |
| • Revised paper submission | 15.02.2014 |
| • Registration Deadline (online) | 01.03.2014 |
| • Symposium | 03.-05.04.2014 |

Conference Fees (incl. Banquet, Lunch, Coffee)

Regular	350 €
Student	250 €
Early Bird Discount	50 €
EAA Member Discount	25 €

Publication

Contributions that are accepted after revision will enter the proceedings. Proceedings will be published electronically (including ISBN and DOI per contribution). Ten selected papers will be published in a special issue of "Acta Acustica united with Acustica".

Information, Submission, Registration

All information related to the event and the submission procedure will be available at www.auralization.tu-berlin.de.

Conference chairs

Prof. Dr. Stefan Weinzierl, TU Berlin (Germany)
Prof. Dr. Michael Vorländer, RWTH Aachen (Germany)
Dr. Franz Zotter, University of Music and Performing Arts, Graz (Austria)
Dr. Hans-Joachim Maempel, SIMPK Berlin (Germany)