



Call for Papers, Posters, Extended Abstracts, Music, Installations, and Workshops - ICAD 2015
"ICAD in Space: Interactive Spatial Sonification"

The 21st International Conference on Auditory Display
July 6 - 7 Workshops and Student Think Tank
July 8 - 10 Conference
University of Music and Performing Arts and Technical University of Graz, Austria.

The conference is organised by the Institute of Electronic Music and Acoustics (IEM). IEM is one of the leading institutions in the field of audio engineering and computer music. As part of the University of Music and Performing Arts Graz, IEM is a multidisciplinary institution, whose general mission is to bridge the gap between science and the arts. As a unique characteristic, IEM focuses on sonification as part of its research in computer music. IEM facilities include laboratories and performance spaces such as CUBE, which are equipped with spatial audio and motion tracking systems. Since 2014, IEM hosts the Sonic Interaction Design (SID) lab, in which interactive sound systems are designed and evaluated.

ICAD is a highly interdisciplinary conference with relevance to researchers, practitioners, artists, and graduate students working with sound to convey and explore information. The conference is unique in its specific focus on auditory displays and the range of interdisciplinary issues related to their use. Like its predecessors, ICAD15 will be a single-track conference, open to all, with no membership or affiliation requirements. In addition to ICAD's core interests, we would like to take the opportunity of the conference being held at IEM to highlight this year's theme ICAD in Space: Sonification, Sonic Interaction Design, and Spatial Audio.
<http://icad15.iem.at>

..... KEY DATES

15 February 2015	Submission of Papers, Posters, Music, and Installations
15 March 2015	Submission of Workshops
15 April 2015	Submission of Extended Abstracts
15 April 2015	Notification of acceptance for Workshops
01 May 2015	Notification of acceptance for Papers, Posters, Music, and Installations
15 May 2015	Notification of acceptance for Extended Abstracts
01 June 2015	Camera-Ready deadline

..... AREAS OF INTEREST

Relevant areas for ICAD include but are not limited to:

Auditory Display:

- Aesthetics, Culture, & Philosophy
- Design, Theory & Methods
- Technology: Tools & Applications
- Perceptual and Cognitive Aspects
- Usability & Evaluation
- Accessibility

Special Focus of ICAD15:

- Sonification:
 - Exploration of Data through Sound
 - Sonification as Art
- Sonic Interaction Design
 - Interaction design
 - Input technologies
 - Auditory Information Design
- Spatial Audio
 - Binaural virtual acoustics
 - Loudspeaker-based sound field synthesis

Accepted papers will be included in the published proceedings and made publicly available in the Georgia Tech SMARTech system (<http://smartech.gatech.edu/>). The types of submissions solicited for ICAD15 include:

..... PAPERS AND POSTERS

Paper and poster submissions will be 4-8 pages in length, including all figures and references. Typical paper contributions are between 6 - 8 pages, and typical poster contributions are 4 - 5 pages long. Full papers should describe work that offers a substantial contribution to the field of auditory display. Authors of accepted papers will be invited to give an oral presentation of their work, and at least one author must present the work at the conference for the paper to appear in the proceedings. Poster submissions should describe both finished work and work in late stages of progress. Work that is complete enough that meaningful conclusions can be

drawn at the time of submission are encouraged. Authors of accepted submissions will be invited to participate in a poster and/or demonstration session, and at least one author must present the work at the conference for the paper to appear in the published proceedings. When weighing the decision to submit to poster and demonstration sessions, we encourage authors to consider their work in relation to the potential positive benefits (both to authors and their audiences) afforded by the personal interactions that occur in this type of session.

Authors of selected full papers will be invited to submit an extended version (up to 12 pages) of their papers for publication in a Special Issue of the Journal on Multimodal User Interfaces (JMUI): Auditory Display. (<http://www.springer.com/computer/hci/journal/12193>)

..... EXTENDED ABSTRACTS

Extended abstracts include, but are not limited to late-breaking results, works in early stages of progress, novel methodologies, unique or controversial theoretical positions, and discussions of unsuccessful research or null findings. Submissions for extended abstracts require a proceedings paper of up to 2 pages in length. Authors of accepted abstracts will be invited to give a short presentation of their work, and at least one author must present the work at the conference for the abstract to appear in the published proceedings. The deadline of the extended abstracts is later to allow very recent contributions in the field.

Papers Co-Chairs
Visda Goudarzi and Areti Andreopoulou
papers.icad15@iem.at

..... MUSIC AND INSTALLATIONS.....

We invite submissions of music and sound installations. Sonification should be a constitutive element of the proposed works. Priority will be given to works employing space and interaction as additional dimensions to an artistic data exploration. We therefore especially encourage the submission of multichannel electroacoustic or acousmatic pieces and interactive sound installations.

The works will be reviewed by an international panel of sound and sonification experts. Preference will be given to submissions that are technically feasible and have a clear documentation of the setup. At least one of the authors who wish to have their works presented at ICAD15 must register and attend to the conference. As we would like to extend the presentation of these works beyond the time limits of the conference, authors of accepted works are encouraged to present their work also online using the Research Catalogue (<http://www.researchcatalogue.net>), an international database for artistic research. The conference page will provide a portal to these presentations.

Music Co-Chairs
David Pirrò and Gerhard Eckel
music.icad15@iem.at

..... WORKSHOPS

ICAD workshops and tutorials provide in-depth opportunities for conference attendees to discuss and explore important topics in the field of auditory display with like-minded researchers and practitioners. Please submit concepts for “hands-on” workshops or discussion platforms, possibly allowing participants to contribute, but no paper sessions on their own. Focus areas can range from applications and programming methodologies to interdisciplinary research skills, emerging concepts, and challenge problems.

Space, facilities, technical support, and the number of sessions that can be accepted are limited, so early submission of proposals is encouraged. Workshop and tutorial organizers are expected to collaborate with the conference committee, issue calls for participation, gather and review contributed materials (if appropriate), and decide upon the final program for their session.

Workshop Co-Chairs
Franz Zotter and Derek Brock
workshop.icad15@iem.at

..... SONIFICATION CONTEST

The call for the Sonification Contest will be released in early 2015.

..... STUDENT THINK TANK

The call for the Student Think Tank will be released in early 2015.

We will provide **child care** during the conference and workshops. If you travel with a kid/ kids please drop us an email ahead of time.

For more information on submission in different categories please refer to the conference website: <http://icad15.iem.at>

Conference Co-Chairs
Katharina Vogt and Ypatios Grigoriadis
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