



**AUDIO ENGINEERING SOCIETY**  
**CALL for CONTRIBUTIONS**  
**AES 54<sup>TH</sup> INTERNATIONAL CONFERENCE**  
**Audio Forensics: Techniques, Technologies and Practice**  
**London, UK**      **June 12–14, 2014**



**Chairs:** Mark Huckvale, University College London, Jeff M. Smith, University of Colorado Denver. Email: [54th\\_chair@aes.org](mailto:54th_chair@aes.org)  
**Papers cochairs:** Mike Brookes and Durand Begault. Email: [54th\\_papers@aes.org](mailto:54th_papers@aes.org)

The AES 54th International Conference is dedicated to exploring advances in the field of audio forensics by providing a platform for research related to the forensic application of speech/signal processing, acoustical analyses, audio authentication, and the examination of methodologies and best prac-

tices. A special focus will be made on the techniques and technologies used in the practice of audio forensics. Previous AES conferences on audio forensics include the 26th, 33rd, 39th and 46th; more information can be found at [www.aes.org](http://www.aes.org).

---

## PROPOSED TOPICS

---

- Acoustic signal analysis, e.g. source location and gunshot analysis
- Authentication of recordings, e.g. digital audio authentication, ENF analysis
- Digital audio data analysis and audio recovery
- Enhancement of recordings, e.g. noise reduction, equalisation, dereverberation, source separation
- Examiner bias
- Laboratory procedures, validation and accreditation
- Speaker segmentation and diarisation
- Speaker recognition, forensic voice comparison and analysis
- Speech signal interpretation, e.g. recognition of emotional state
- Speech signal processing, e.g. feature extraction, CODEC analysis
- Speech signal quality and speech signal intelligibility assessment
- Speech transcription aids
- Surveillance audio recording and analysis

Please contact [54th\\_chair@aes.org](mailto:54th_chair@aes.org) if you are unsure about suitability of topics.

---

## SUBMISSION INFORMATION

---

The AES 54th Conference committee invites the submission of research and technical papers. For this conference we request full papers of between 4 and 8 pages be submitted to the AES 54th committee by **31 January 2014** at: [www.aes.org/54th\\_authors](http://www.aes.org/54th_authors). An author's kit describing the paper format will also be available at that site. Papers and author information may be submitted anytime after **1 December 2013**. Acceptance of papers will be determined by the 54th Conference review committee and authors will be informed of the decision before **15 March 2014**. Final versions of papers following any revisions guided by the committee's review must be submitted by **1 April 2014**.

The conference programme will include both oral and poster presentation of papers, but both will have equal status in the proceedings. Authors can express a preference for oral or poster format, although the final decision will be made by the programme committee. At least one author on each paper or poster must register for the conference for the paper to be included in the conference programme and proceedings.

Tutorials and workshops will complement the conference paper sessions by providing panel presentations and lectures led by experts in the field. These events will provide in-depth yet practical discussions related to forensic audio analysis while demonstrating the application of science in real world scenarios. Authors are also encouraged to submit proposals for workshops and tutorials by contacting [54th\\_chair@aes.org](mailto:54th_chair@aes.org) directly.

The committee also invites vendors with products related to the forensic analysis of audio to participate in the 54th Conference exhibition which will include tabletop demonstration as well as organized presentations during conference proceedings. Special consideration will be given to conference sponsors. For more information on being an exhibitor or sponsor, please contact the [54th\\_chair@aes.org](mailto:54th_chair@aes.org).

**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

---

**Manuscript deadline:** 31 January 2014.  
**Authors informed of decision:** 15 March 2014.  
**Camera-ready submission deadline:** 1 April 2014.

**Open Access**  
Authors will have the option of submitting Open Access papers.

