

AUDIO ENGINEERING SOCIETY

CALL for PAPERS

AES 46TH CONFERENCE, 2012

Audio Forensics—Recording, Recovery, Analysis, and Interpretation

Denver, Colorado, U.S.A.



Dates: June 14–16, 2012, **Location:** Warwick Hotel Denver

Chair: Jeff M. Smith, National Center for Media Forensics, Email: 46th_chair@aes.org

The AES 46th 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 practices. A special focus will be made on the practice of audio forensics as a whole of its parts: the recording, recovery, analysis, and interpretation of audio evidence. Previous AES conferences on Audio Forensics include the 26th, 33rd, and 39th; more information can be found at www.aes.org.

The AES 46th Conference Committee invites the submission of research and technical papers. By **February 1, 2012**, a proposed title, 60-120 word abstract, and a 500-1000 word précis of the paper must be submitted to the AES 46th Committee at the following site: www.aes.org/46th_authors. The précis should describe the work performed, methods employed, conclusion(s), and proposed significance of the paper. Paper titles, abstracts, and précis as well as author information may be submitted online after **December 9, 2011**. You may visit the site for more information and complete instructions for using the site anytime after December 9, 2011. Acceptance of papers will be determined by the 46th Conference review committee based on an assessment of the abstract and précis. The conference paper, submitted online by **March 28, 2012**, will be a condition for presentation at the conference.

Tutorials and workshops will compliment the conference papers 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.

The Committee also invites vendors with products related to the forensic analysis of audio to participate in the 46th 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 46th_chair@aes.org.

PROPOSED TOPICS FOR PAPERS

Surveillance audio recording	ENF analysis	Multimedia forensics
Enhancement and transcription of noisy recordings	Advances in analog tape authentication	Vehicle and aircraft analysis using audio recordings
Signal processing for intelligibility enhancement	Semi-automated systems	Examiner bias; ethics
Speech quality and intelligibility assessment	Lossy compression and cellular telephone transmission effects	Laboratory procedures, quality control and accreditation
Sound source, speaker segmentation	Digital audio data analysis	Education and training for audio forensics; certification issues
Speaker recognition, speaker comparison	Digital audio recovery and carving	Case Studies
Digital audio authentication	Acoustic scene analysis	Innovative hardware and software
	Gunshot analysis (identification, location)	
	Forensic musicology	

SCHEDULE FOR SUBMISSION OF PAPERS

Please submit proposed title, abstract, and précis at <www.aes.org/46th_authors> no later than **2012 February 1**. Acceptances to be emailed by **February 13**. Final manuscripts due by **March 28**. If you have any questions, contact:

PAPERS COCHAIRS <46th_papers@aes.org>

Catalin Grigoras (National Center for Media Forensics) and **Durand Begault** (Audio Forensic Center)