

AES Audio Forensics TC Meeting Minutes Form

1 General Information

Meeting Date	August 11, 2023	Meeting Time	08:00 PST / 16:00 GMT
Meeting Location	Remote - Virtual Meeting		
Chaired By	Cole Whitecotton, James Zjalic, Gretchel Lomboy		
Parties Present	Cole Whitecotton James Zjalic Gretchel Lomboy Anibal Ferreira Gordon Reid Marisa Dery Rob Maher Jeff Smith Dante Fazio Durand Begault Dan Rappaport https://www.aes.org/technical/af/		

2 Meeting Agenda

#	Item	Discussion Summary	Proposed Actions
1	Previous Meeting Minutes	<ul style="list-style-type: none"> N/A 	

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2	Status of Previous Meeting Actions	<ul style="list-style-type: none"> N/A 	
3	Priority Items	<ul style="list-style-type: none"> Introductions 	
4	Planned Discussion	<ul style="list-style-type: none"> AES 2024 AF Conference Announcement - (TENTATIVELY June 27-29) @ Sheraton Hotel, Downtown Denver CO <ul style="list-style-type: none"> Requesting chairs for conference org-chart <ul style="list-style-type: none"> Need at least 2 chairs for each section Feedback on dates for submissions <ul style="list-style-type: none"> Jan 31st? Need to strike a balance that offers enough time to gather materials as well as review all of them in time to create & plan a program Provide enough time for those travelling (esp. international attendees) to be able to acquire agenda & start planning their trip What types of papers would be “acceptable”? <ul style="list-style-type: none"> Removal of all commercial interest from presentations - Or just workshops? Divide the types of papers (product oriented, etc.) for review process Allowing for more participation versus restrictions - increase paper count by separating papers with a lower bar of entry We should focus on papers that have problems, solutions, outcomes Disclosure of commercial affiliations Academic component versus broad Perhaps we could create “tiers” of papers? The AF Conference will not be live-streamed and will be attendance only Potential recruitment for conference could be a panel of tech folks from Axon and other body-worn camera manufacturers (SoundThinking - the ShotSpotter company), and maybe even doorbell camera companies How often would everyone like to attend these meetings? <ul style="list-style-type: none"> Worth meeting once a month leading up to the conference If we do meetings more often, the meetings could be potentially shorter; less often meetings could be longer Some are in favor for a standing meeting once a month Most likely going to be planned for Fridays 	<ul style="list-style-type: none"> Update “recent/planned Activities” on AF Website Send an org chart to TC-AF for volunteers Figure out Papers Chairs ASAP Send out a call for papers/presentations <ul style="list-style-type: none"> Meeting with chairs of sections Provide categories of paper submissions <ul style="list-style-type: none"> Scientific research, Case Studies, Workshops, Paneled Discussions, Presentations, etc. Plan on inviting those involved with forensics (law enforcement practitioners, attorneys, etc.) to attend meetings and perhaps provide case studies for the conference

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6	Chapter from a Standard		
7	Open Floor	<ul style="list-style-type: none"> ● How shall we handle those interested in joining the TC-AF group? <ul style="list-style-type: none"> ○ Meetings are open to everybody, but how shall we handle actual membership? ○ Want to avoid gatekeeping, but also value standards ○ Defining & expanding topic area for the group? ○ Incorporate video aspect? ○ Requirement to be active in the committee - anyone who wanted to remain in the committee had to attend committee meetings and events ○ Want to avoid those who would like to be members for “resume fodder” ○ The more active we can be, the more likely we can acquire those interested in becoming members ● Standards Committee <ul style="list-style-type: none"> ○ Position paper on Deepfake Audio <ul style="list-style-type: none"> ■ Importance of understanding what to “listen for” ■ Urge for AES to respond to Deepfake Audio with an opinion paper ■ What is our role as AES to provide an opinion? Technical Committees should represent science ■ Perhaps we could hold a forum on the issue in the form of a workshop at a conference discussing the topic ■ Could perhaps address it under “Emerging Trends” ■ The TC could show relevancy via conference workshops and conventions instead of providing a position paper on this topic ■ Position papers come off as non-solutions, and as a technical committee we should probably avoid distributing opinions ■ Would need official AES stamp of approval first ■ Jeff is happy to contribute to a workshop in October on the topic of deepfake audio ■ Is there a scientific approach to detect deepfake audio where the error rate of the approach can be quantified? 	<ul style="list-style-type: none"> ● To maintain membership to TC-AF, members must be active participants in meetings & events ● Create a standard workshop for the TC-AF to put on during AES conferences ● Look into providing a workshop for the upcoming AES conference in October <ul style="list-style-type: none"> ○ Even though AES workshop proposal deadline was May 31, it might still be possible to get something in by discussing with AES workshops chair or even the convention co-chairs

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		<ul style="list-style-type: none"> <ul style="list-style-type: none"> <ul style="list-style-type: none"> ■ One approach used by other technical fields is to form a “working group” that includes people from the justice system, perhaps even judges, who discuss how to handle admissibility of evidence in the context of machine learning and potential forgeries ● Interest in running a workshop each year at the AES conference in October - “intro-to/state-of Audio Forensics” as a means of generating interest and bringing people into the group <ul style="list-style-type: none"> ○ When was the last “intro to Audio Forensics” workshop held? <ul style="list-style-type: none"> ■ Most likely 2015 provided by Gordon Reid & Eddie Brixen in Warsaw ○ Even though the workshop may be repetitive to us as a committee, the AES is constantly getting new students and members every year ○ We could look into providing workshops at universities or other venues to glean more interest & replenish our group ● Shared Difficulties/Experiences? 	
8	Proposed Next Meeting	<ul style="list-style-type: none"> ● September 8, 2023 	

3 Next Meeting

Agreed Meeting Date	09/08/2023	Meeting Time	08:00 PST / 16:00 GMT
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Proposed Agenda Items			

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