AES SAA Technical Committee Discussion
October 3, 2008
San Francisco, CA USA

Attendees:
Sebastian Heise, Joern Loviscach, Karlheinz Brandenburg, Michael Lester, Matthias Gruhne, Christian Uhle, Stephen Pope, Gareth Loy, Charles Van Winkle, Jay LeBoeuf

Introduction
Future workshops, panels, tutorials, and conferences should continue to increase awareness and visibility of the field of SAA. Several excellent and exciting suggestions are presented below.

Idea: Future AES Conference on Applied MIR Research
As discussed at AES Amsterdam '08, the topic of a future conference was discussed again. The focus was more narrowly defined as applications or applied research MIR research – slanting away from some of the more theoretical approaches. A part of the conference would seek to actively compare and discuss our results on large datasets – this conference would specifically focus on some of the challenges of large data sets, scalability, algorithm optimization and accuracy tradeoffs.
Pick invited speakers who are knowledge in the field to give overviews of diverse areas.
Before we can move forward, however, we need to identify:
-   Is there interest in attending?
-   Possible locations
-   Hot topics to address
-   Time frame would be 2 years from now
Karlheinz (and Fraunhofoer?) offered to assist.

Owner: Mark Sandler, what do you think?

Idea: AES Journal special / feature on metadata.
Ask the AES journal staff writers to write about the types of metadata that can be extracted, and provide a survey of the field. Document some of the emerging trends and highlight commercial interest and growth as fuel for this field.

Owner: Stephen Pope?

Future Ideas for Panels, Workshops, Tutorials

Intelligent Effects for the Studio
This workshop would survey some of the exciting University projects which to introduce new "intelligent" techniques into recording studios, live sound environments. This workshop would introduce the subject to recording/mixing engineers and provide a great means of recruiting expert input, source material for testing, or ground truth for training.

Owner: Christian Uhle

Possible participants:
Joern Loviscach?
Stephen Pope?
Enrique Perez Gonzalez / Josh Reiss

Open source projects and products for SAA
A survey of the freely available software tools which enable users to perform basic content-based analysis, transcription, segmentation, etc on their audio material. Focusing on both software frameworks (e.g., Marsyas, MIR Toolbox, etc) and standalone applications (e.g., Sonic Visualizer)

Owner: needs an owner

History and Applications of Machine Listening and Machine Learning in audio
A brief survey of the algorithms that exist for this type of work, along with the current tools and how they are being used. Bring in CS Machine Learning experts to provide various summaries and also bring in applied researchers/engineers to discuss the current state of the art. The goal is to educate new folks in what algorithms are out there for their particular problems…

Owner: Gareth?

Open Questions
What are the deadlines for submitting ideas to Munich AES?
Jay to update group with latest information.

Jay LeBoeuf
October 9, 2008