AALBORG UNIVERSITY

Project module description

General module information
Title: Sound and Music Innovation
Type: Project module
Language of instruction: English
Location of the lecture: Campus Copenhagen

ECTS points: 15 ECTS

Period: 1 September 2022 — 31 January 2023

Placement
3rd semester, M.Sc. in Sound and Music Computing

Module coordinator
Stefania Serafin (coordinator), Judi Stærk Poulsen (secretary)

Academic content and relationships to other modules/semesters
The formal study plan description of the module can be found here:

https://moduler.aau.dk/course/2022-2023/MSNSMCM3201?lang=da-DK

The purpose of the project module is to develop and evaluate a novel system that uses concepts and technologies in sound and music computing with a focus on exploring

1) its commercial aspects, and/or
2) its socio-cultural implications, and/or
3) its use in generating scientific knowledge

As such, the module naturally builds on the previous semesters and the developed system could involve one or more of the disciplines sound processing, multivariate statistics and pattern recognition, real-time interaction and performance, or sound and music perception and cognition.

Objectives and learning goals
The students must be able to understand core state-of-the-art concepts, theories, techniques and methodologies relating to the sub-area of sound and music computing that has been applied in the project. They must also be able to evaluate and select relevant sound and music theories, methods, and tools, with the specific aim of working towards creating new products, commercially viable products, or new knowledge.

In the case the students choose to focus on the commercial aspects, the students must be able to apply relevant concepts in media commercialization and innovation. In particular, they must be able to apply market and trend analysis methods to a media product or production involving sound and/or music processing. In the case, where the students choose to focus on the socio-cultural implications, these must be explored and analyzed in-depth drawing upon relevant theories. Finally, in the case where the focus is on generating scientific knowledge, the project must be carried out based on the scientific method and tradition of the field.

Extent and expected workload
The module consists of 15 ECTS problem-based project work in groups with supervision.

Pre-requisites for participation
The prerequisites for participation are listed in the module description (see link above).

Examination
The module is examined through a standard group-based project exam. See the module description (see link above) for any further detail on requirements, examination, and assessment. It is a prerequisite for being allowed to take part in the project examination that the project documentation is handed in on time (see exam rules).