As a creative entertainment company, Sony seeks to use technology to unleash the potential of human creativity. For artists and creators who produce entertainment, this means supporting efforts to raise their creativity to the next level. And for people who enjoy entertainment, Sony aspires to transform their lifestyles. Our innovations will create a new culture which brings more inspiration to people's lives.

## Organizer of DCASE2022 Challenge Task3

Sony is organizing **DCASE2022 Challenge Task3** (Sound Event Localization and Detection Evaluated in Real Spatial Sound Scenes,) with the Audio Research Group (ARG) of Tampere University. In this task, SELD systems to be submitted will be evaluated using recordings of real sound scenes. For this task, we created **Sony-TAu Realistic Spatial Soundscapes 2022 (STARSS22) dataset** that consists of multichannel recordings of real scenes in various room environment along with annotations for spatial and temporal occurrences of target sound events. In this task, our innovative training scheme called **MULTI-ACCDOA** serves as the baseline system. The implementation is publicly available in the **git repository**.
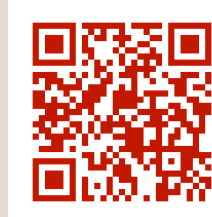
**MULTI-ACCDOA**

Kazuki Shimada, Yuichiro Koyama, Shusuke Takahashi, Naoya Takahashi, Emiru Tsunoo, Yuki Mitsufuji, "Multi-ACCDOA: Localizing and Detecting Overlapping Sounds from the Same Class with Auxiliary Duplicating Permutation Invariant Training," in Proc. of IEEE ICASSP, 2022.

## AI and Robotics Career Opportunities

We look forward to highly motivated individuals applying to Sony so that we can work together to fill the world with emotion and pioneer the future with dreams and curiosity. Join us and be part of a diverse, innovative, creative, and original team to inspire the world. If you are interested in working with us, please visit here for more open positions of job and internship.

https://www.sony.com/en/SonyInfo/Careers/jobinfo/AI_Robotics_Career_Opportunities/

## Publications for ICASSP2022

To learn more about our recent publications, visit here :

**Sony R&D Center**
https://www.sony.com/en/SonyInfo/research/

**Sony's AI Initiatives**
https://www.sony.com/en/SonyInfo/sony_ai/

**Special site for ICASSP2022**
https://www.sony.com/en/SonyInfo/sony_ai/icassp2022/