AIE
WISE Program for AI Electronics

第4回講演会のお知らせ

From Speech Recognition to Speaker Diarization and Sound Event Detection

In this talk, the AI applications of speech recognition, speaker diarization, and sound event detection will be introduced, including task descriptions, performance measures, and machine-learning methods. Not long ago, speech recognition was considered a very hard problem by the research community of spoken language technology. Today, this trophy problem is practically solved, and the research community is working on new challenges with growing optimism. One way to extend speech recognition is the rich transcription in which output tokens other than lexical words are to be identified. Another extension is the sound event detection, in which input acoustic signals other than speech waveforms are to be recognized. These two extensions do have something in common. Specifically, the temporal or spatial details are important parts of the recognition targets, in addition to the static or global labels. We will compare a few models, data, and learning algorithms of the above AI tasks and gain some insights into the new direction for research and applications.

2022 10/21 FRI
16:00 - 17:30

未来館復興記念ホール
（オンライン併用）

アクセス

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講師

National Sun Yat-sen University, Taiwan
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略歴：Chia-Ping Chen is a Professor at National Sun Yat-sen University, Kaohsiung, Taiwan. He received the BS degree in physics from National Taiwan University, the MS degree in physics from National Tsing-Hua University, and the MS and PhD degrees in electrical engineering from the University of Washington at Seattle. Since 2005, he has been amember of the faculty of the Department of Computer Science and Engineering of NSYSU. His research interests focus on spoken language technology and applications, including speech recognition, speech synthesis, speaker recognition, speaker diarization, and acoustic sound event detection.

参加申込

本講演会は、会場参加は学内関係者のみとなります。学外の方で参加ご希望の方は、オンラインでご参加ください。以下のウェブページから参加登録して下さい。

https://forms.gle/syE314t8bEECGwmu9

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