AIE
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for AI Electronics

第3回 講演会のお知らせ

Google Speech Research, history and a local perspective

Recent years have shown a large scale adoption of speech recognition by the public, in particular around mobile devices. The speech group at Google started in earnest in 2005 as a research project with a handful of members. Today the speech group at Google has over 350 members and our systems process centuries of speech each week. This talk will discuss some of the history of this remarkable transformation from a Google perspective.The second half of the talk will focus on novel neural modeling for speech recognition. It will briefly discuss how we tackled a number of challenges to make such models feasible for use in real-life applications. Issues such as latency, use of external text-only corpora, contextual conditioning and discriminatively training will be presented. Finally, building on these results, some early work and motivations for the new research effort that is growing in the Tokyo office will be presented.

講 師

Google Research
Senior Staff Research Scientist
Dr.Michiel Bacchiani

略歴：Michiel Bacchiani has been a speech researcher with Google for the past 15 years. He currently manages a research group in Google Tokyo focused on jointly modeling speech and natural language understanding. Previously he managed the acoustic modeling team responsible for developing novel algorithms and training infrastructure for all speech recognition applications backing Google services. Before joining Google, Michiel Bacchiani worked as a member of technical staff at IBM Research, as a technical staff member at AT\&T Labs Research and as a research associate at Advanced Telecommunications Research labs in Kyoto, Japan.Michiel Bacchiani is an active member of the academic community. He served as the chair of the IEEE Spoken Language Technical Committee. He is a Senior Area Editor and board member for the IEEE/ACM Transactions on Audio, Speech, and Language. He is a subject editor and board member of the Speech Communication journal. He has served as an organizing committee member or technical chair on numerous workshop committees like ASRU and SLT. He has served as an area chair for several large international conferences like ICASSP and Interspeech. As an active participant with the academic community as an author, he has published more than 50 scientific publications.

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16:00 – 17:00
（15:30開場、17:30質疑終了）
電子情報システム・応物系
101大講義室

アクセス

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参加申込

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