**專 題 演 講**

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題目： Natural language understanding in personal digital assistant

摘要：

Building a natural language interface between human and robots is one of the long-dreamed goal in sci-fi fictions. With recent improvement in data collection via mobile devices, data processing infrastructure, and advancement in nature language technologies, empowering a bot with natural language understanding capability becomes feasible. Personal digital assistant such as Siri, GoogleNow, Amazon Echo, and Microsoft Cortana can help you accomplish tasks such as setting up an alarm, checking weather forecast, and even chit-chatting. In this talk, I will focus on the key natural language understanding techniques in personal digital assistant. Then I will conclude with challenges and application opportunities.

簡歷:

Yik-Cheung (Wilson) Tam is a senior NLP scientist at Microsoft Suzhou since 2015. His research interests include acoustic modeling, language modeling, statistical machine translation, and machine learning. Before joining Microsoft, he was a research engineer at SRI International working on speech translation and keyword spotting. From 2009 to 2012, he was a senior research scientist at Nuance Communications where his focus was on language modeling algorithms for voice search. He obtained a PhD degree in language technologies at Carnegie Mellon University in 2009.