Area: Signal Analysis & Machine Intelligence

Host: Prof Li Haizhou

APSIPA Distinguished Lecture

Co-organized by (i) Asia Pacific Signal and Information Processing Association,
and (ii) Chinese and Oriental Language Information Processing Society

TOPIC	:	**Speech waveform modeling for advanced voice conversion**
SPEAKER	:	**Prof Tomoki Toda,** **Information Technology Center,** **Nagoya University, Japan**
DATE	:	**13 December 2019, Friday**
TIME	:	**11.30am to 12.30pm**
VENUE	:	**E5-02-32, Engineering Block E5, Faculty of Engineering, NUS**

ABSTRACT

Speech waveform modeling is a fundamental technique in voice conversion. Recently, a direct waveform modification technique has been developed to make it possible to avoid using traditional vocoder-based waveform generation. Moreover, neural vocoder techniques, such as WaveNet vocoder, have been successfully developed and applied to voice conversion. This talk will give an overview on issues of the speech waveform modeling and its recent technical progress in voice conversion.

BIOGRAPHY

Tomoki Toda is a Professor of the Information Technology Center at Nagoya University, Japan. His research interests include statistical approaches to speech, music, and environmental sound processing. He received more than 10 paper and achievement awards including the IEEE SPS 2009 Young Author Best Paper Award and the 2013 EURASIP-ISCA Best Paper Award.

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