

Mar. 2020

ISCA Distinguished Lecture Tour (2018-2019)

Report for the Year 2019

Takayuki Arai

Professor

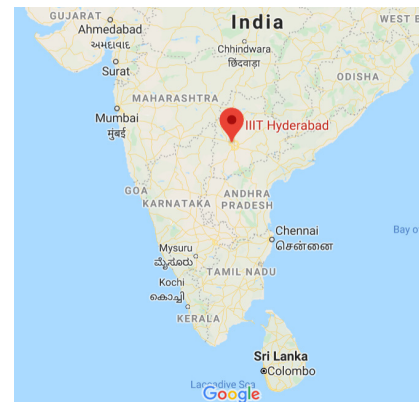
Sophia University (Tokyo, Japan)

I was appointed an ISCA DL to serve during 2018-2019. In 2019, I visited several places in India. In addition, I was invited to speak several times as a part of my ISCA DL lecture series in Japan. Below is a brief report of my lectures in 2019.

1) India

International Institutes of Information Technology (Hyderabad, Telangana, India)

My first lecture was held at IIIT in Hyderabad, which is located in the south of India.



Before the lecture, I had meetings with the lab members of Professor Suryakanth V Gangashetty:

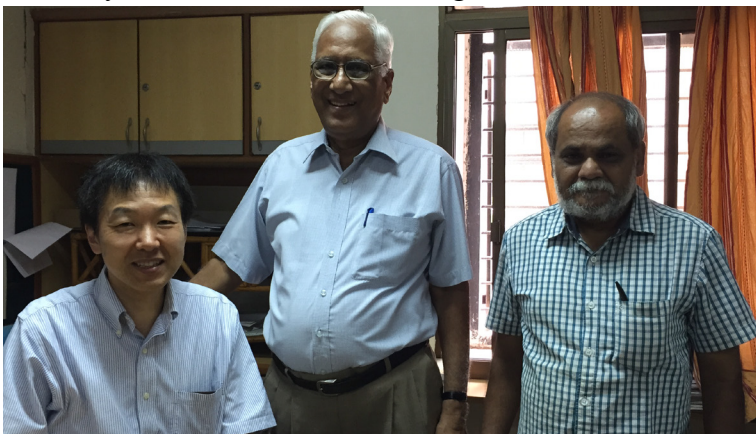


After this meeting I lectured on the following topic on August 19th, 2019:

➤ **Introduction to Speech Science with Vocal-tract Models**



After my lecture, I visited Prof. Yegna's office at the IIIT.



Indian Institute of Technology Guwahati (Assam, India)

The second lecture in India was held at IIT Guwahati. The institute is located in the state of Assam in northeastern India.



My lecture was held on Aug. 22nd, 2019, and many audience including students from different areas, such as linguistics, computer science, design, and electronics came together out of their own interest. My lecture went successfully because it well matched to their interdisciplinary goal. The following picture was taken after the talk:



Many in the audience were so enthusiastic after the main session that they surrounded a set of demonstration kits on speech production, which included different versions of the vocal-tract models.



After the talk, I visited the Centre for Linguistic Science and Technology, IITG, and interacted with the scholars:



I also visited the Regional Science Centre in Guwahati to show my vocal-tract models to the staff members of the centre.

2) Japan Society of Logopedics and Phoniatics

The 64th Annual Meeting of the Japan Society of Logopedics and Phoniatics was held on Oct. 16-18, 2019, in Saitama, Japan. I was invited to give a tutorial lecture as a part of the ISCA-DL lecture tour.

My talk was entitled, “Introduction to Acoustic Phonetics,” and I showed various demonstrations on speech production with a set of vocal-tract models. The following is a picture with other lectures and more:

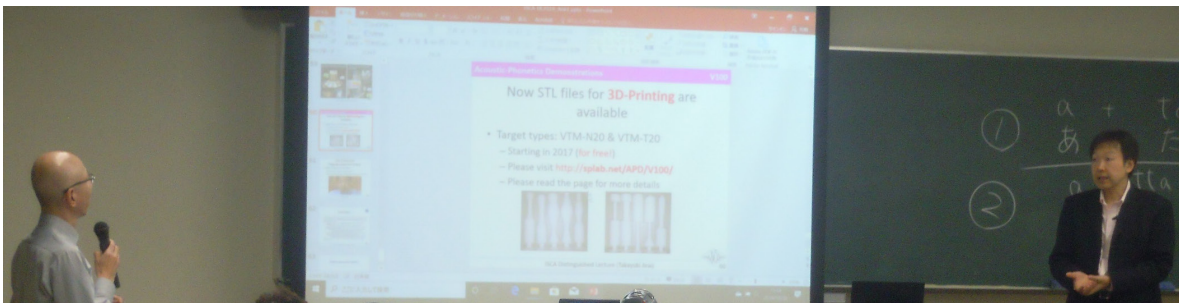


3) Nagoya Institute of Technology (NITech)

I was invited to give a lecture as a part of the ISCA-DL lecture tour at the Frontier Research Institute for Information Science, NITech on Oct. 30th, 2019. As usual, I showed various demonstrations of speech production with a set of vocal-tract models and related tools, including our most recent ones.

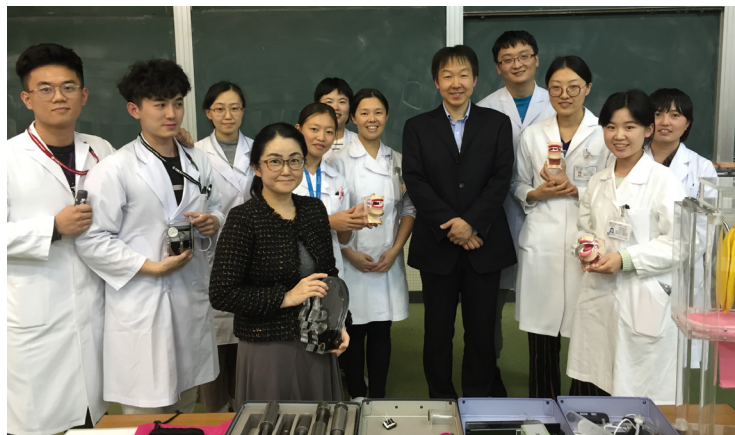


Prof. Keiichi Tokuda was the host of this lecture.



4) Tokyo Medical and Dental University (TMDU)

I gave another lecture in the graduate school at the TMDU as a part of the ISCA-DL lecture tour on Nov. 13, 2019. My lecture, "Understanding speech science with your eyes, hands, and ears," was a special lecture for the graduate school. It included a demonstration of the vocal-tract models, and after my talk attendees continued to experiment with producing speech using the vocal-tract models.



5) Senior High School, Doremus School

I also gave a lecture at Doremus School, a Senior High School in Yokohama, Japan, as a part of the ISCA-DL lecture tour. The high-school students enjoyed learning how speech sounds are produced, and they appreciated the many ways speech science and technology may be applied in our daily lives.

