

# LUONG HIEU-THI

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## EDUCATION

**Oct 2017 – Oct 2020 (expected):** PhD, Computer Science (MEXT Scholarship)  
Sokendai – National Institute of Informatics, Japan

**Dec 2014 – Dec 2016:** Master of Science, Computer Science  
VNUHCM – University of Science – GPA: 7.52/10.0 – Thesis: 9.6/10.0

**Sep 2010 – Sep 2014:** Bachelor of Science, Information Technology, Honors Program  
VNUHCM – University of Science – GPA: 8.27/10.0

## EXPERIENCES

### **Research Assistant, Yamagishi's lab – National Institute of Informatics, Tokyo, Japan**

Supervisor: Yamagishi Junichi | Nov 2017 – present

Statistical Parametric Speech Synthesis systems, multi-speaker models, supervised and unsupervised speaker adaptation.

### **Research Assistant, AILAB – VNUHCM – University of Science, Ho Chi Minh city, Vietnam**

Supervisor: Vu Hai-Quan | Sep 2014 – Aug 2017

Automatic Speech Recognition and Speech Synthesis. Research and Develop ASR and TTS systems for Vietnamese language. Prepare practical demonstration to showcase ASR and TTS applications.

### **Research Intern, National Institute of Informatic, Tokyo, Japan**

Supervisor: Yamagishi Junichi | Mar 2016 – Aug 2016

Deep Learning for Statistical Parametric Speech Synthesis. DNN-based Multi-speaker speech synthesis model, adaptation and the ability to manipulate the synthetic speech characteristic.

## PUBLICATIONS

### **Scaling and bias codes for modeling speaker-adaptive DNN-based speech synthesis systems**

Hieu-Thi Luong, Junichi Yamagishi

Dec 2018, SLT 2018 (Refereed)

### **Multimodal Speech Synthesis Architecture for Unsupervised Speaker Adaptation**

Hieu-Thi Luong, Junichi Yamagishi

Sep 2018, Interspeech 2018 proceedings, pp. 2494-2498 (Refereed)

### **Investigating accuracy of pitch-accent annotations in neural network-based speech synthesis and denoising effects**

Hieu-Thi Luong, Xin Wang, Junichi Yamagishi, Nobuyuki Nishizawa

Sep 2018, Interspeech 2018 proceedings, pp. 37-41 (Refereed)

### **Do prosodic manual annotations matter for Japanese speech synthesis systems with WaveNet vocoder?**

Hieu-Thi Luong, Xin Wang, Junichi Yamagishi, Nobuyuki Nishizawa

Mar 2018, IEICE Technical Report vol. 117, no. 517, SP2017-123, pp.215-220

### **Adapting and Controlling DNN-based Speech Synthesis using Input Code**

Hieu-Thi Luong, Shinji Takaki, Gustav Eje Henter, Junichi Yamagishi

Mar 2017, ICASSP 2017 proceedings pp. 4905–4909 (Refereed)

### **A non-expert Kaldi recipe for Vietnamese Speech Recognition System**

Hieu-Thi Luong, Hai-Quan Vu

Dec 2016, WLSI/OIAF4HLT 2016 proceedings, pp. 51-55 (Refereed)

### **A DNN-based Text-to-Speech Synthesis System using Speaker, Gender and Age Codes**

Hieu-Thi Luong, Shinji Takaki, SangJin Kim, Junichi Yamagishi

Oct 2016, IEICE Technical Report vol. 116, no. 279, SP2016-48, pp. 37-42

## AWARDS & HONORS

**Oct 2017 – Oct 2020:** Japanese Government (Monbukagakusho:MEXT) Scholarship

## SKILLS

- **Languages:** Vietnamese, English (IELTS: 7.0)
- **Programming Languages:** C/C++, Python, Javascripts, C#, Java,...
- **Operating System:** Linux (bash, ssh, awk, sed,...), Windows, MacOS
- **Frameworks and Toolkits:** Kaldi, HTK, HTS, SPTK, Festival, SRILM, CURRENNT,...
- **App Programming:** android (SDK, NDK)
- **Web programming:** meteor, nodejs, angularjs, flask...
- **Game Programming:** libGDX, pixijs, unity,...
- **Drawing:** aspiring artist (instagram: <https://www.instagram.com/luonghieuthi/> )