Pei-Hung Chung

National Taiwan University
Taipei, Taiwan

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Research Interests

Speech Signal Processing, Natural Language Processing, Deep Learning and their applications to Spoken document retrieval.

Education

- **National Taiwan University**, Taipei, Taiwan — Sep. 2016 - Jun. 2018 (expected)
  M.S. in Communication Engineering
  Advisor: Professor Hung-Yi Lee and Professor Lin-Shan Lee
  Overall GPA: 4.06/4.30
  Deep Learning GPA: 4.30/4.30
- **National Chiao Tung University**, Hsinchu, Taiwan — Sep. 2011 - Jan. 2016
  B.S. in Electrical Engineering

Publications

- **Pei-Hung Chung**, Kuan Tung, Ching-Lun Tai, Hung-Yi Lee. "Joint Learning of Interactive Spoken Content Retrieval and Trainable User Simulator," in INTERSPEECH 2018.
- Hung Yi Lee, **Pei-Hung Chung**, Yen-Chen Wu, Tzu-Hsiang Lin, Tsung-Hsien Wen. "Interactive Spoken Content Retrieval by Deep Reinforcement Learning," in IEEE/ACM Transactions on Audio, Speech, and Language Processing. *(under the status of minor revision)*

Awards and Honors

- **One of the 12 candidates for the Best Student Paper Award, the 17th Annual Conference of the International Speech Communication Association, ISCA (September 2018)** — Sep. 2018

Teaching Experiences

- **CSIE 5440, Intelligent Conversational Bot** — Jan. 2017 - Jun. 2017
  Instructor: Professor Yun-Nung (Vivian) Chen
  Guided and advised 15 students to develop their chatbot systems.
- **EE 5177, Machine Learning and having it deep and structured** — Jan. 2016 - Jun. 2016
  Instructor: Professor Hung-Yi Lee
  Taught tutorial of Tensorflow in the beginning of the semester
- **CSIE 5431, Applied Deep Learning** — Sep. 2016 - Jan. 2017
  Instructor: Professor Yun-Nung (Vivian) Chen
  Coached students in Slot-filling and Intent-prediction and designed a RNN programming assignment.

Relevant Coursework

- **Computer Science**
  Digital Speech Processing*, Applied Deep Learning*, Machine Learning and having it deep and structured*, Intelligent Conversational Bot*, Machine Learning*, Advanced Digital Signal Processing*, the Design and Analysis of Algorithms*, Computer Networks, Introduction to Computer, Computer Programming

* denotes graduate-level course.

Skills

- **Languags:** Chinese (native), English (professional working proficiency), Taiwanese (native)
- **Programming Languages:** Python, Shell Script, C/C++
- **Tools:** Tensorflow, Theano, Kaldi, Git, LaTeX

Last updated: June 10, 2018