

PRAVEEN VENKATESH

Ph.D. candidate, Carnegie Mellon University

EDUCATION

Program	Institution	CGPA	Years
Ph.D., Electrical & Computer Engineering	Carnegie Mellon University Pittsburgh, PA	3.86	Fall 2014 – 2019 (<i>expected</i>)
B.Tech (Honors), Electrical Engineering (minor in Physics)	Indian Institute of Technology Madras Chennai, India	9.11	2010 – 2014

PUBLICATIONS

Journal papers

- Pulkit Grover and Praveen Venkatesh, “An information-theoretic view of EEG sensing”, *Proceedings of the IEEE*, vol. 105, no. 2, pp. 367–384, February 2017, [doi](#)

Conference papers

- Praveen Venkatesh and Pulkit Grover, “Is the direction of greater Granger causal influence the same as the direction of information flow?”, *Allerton*, Monticello, IL, 2015, pp. 672-679, [doi](#)
- Pulkit Grover, Jeffrey A Weldon, Shawn K Kelly, Praveen Venkatesh, Haewon Jeong, “An information theoretic technique for harnessing attenuation of high spatial frequencies to design ultra-high-density EEG”, *Allerton*, Monticello, IL, 2015, pp. 901-908, [doi](#)

Conference abstracts

- Praveen Venkatesh and Pulkit Grover, “Is the direction of greater Granger causal influence the same as the direction of information flow?”, *SfN Neuroscience 2015*, Chicago IL, 21 October 2015
- Praveen Venkatesh, Wanqiao Ding, Pulkit Grover, “Data processing for reliable detection of cortical spreading depolarizations using high-density EEG”, *American Epilepsy Society annual meeting*, December 2016

AWARDS

- A recipient of the Carnegie Institute of Technology Dean’s Fellowship [2014-15]
- A recipient of the Henry L. Hillman Presidential Fellowship [2015-16]
- A recipient of the Dowd Fellowship from the College of Engineering at Carnegie Mellon university [2016-17]

TEACHING

At Carnegie Mellon University

- Teaching Assistant for *18-290: Signals and Systems* [Spring, 2015]
- Teaching Assistant for *18-898: Introduction to Data Science* [Spring, 2017]

At the Indian Institute of Technology, Madras

- Teaching Assistant for *EE4371: Introduction to Data Structures and Algorithms* [Spring, 2014]

RELEVANT COURSEWORK (CMU)

- Neural Data Analysis
- Information Flows: Communication, Computational and Neuronal
- Estimation, Detection and Identification
- Intermediate Statistics
- Compressive Sensing and Sparse Representations
- Information Theory
- Error Control Coding
- Convex Optimization
- Information Processing and Learning