Kursat Rasim Mestav

Cornell University
Electrical and Computer Engineering
Phone: +1 (607) 375-7372

krm264@cornell.edu
128 Summerhill Dr. no. 2
Ithaca, New York 14850

Education

Cornell University
Ph.D. Candidate, Electrical and Computer Engineering, 2016 - Current.
Fields: Machine learning, optimization, and statistical inference
with applications in energy and smart power systems.
Supervisor: Prof. Lang Tong

Bilkent University - Ankara, Turkey
B.A., Electrical and Electronics Engineering, 2016.

Publications

Bayesian State Estimation for Unobservable Distribution Systems via Deep Learning
K. R. Mestav, J. Luengo-Rozas, and L. Tong,
IEEE Transactions on Power Systems," pp. 1–1, 2019.

Learning the Unobservable: High-Resolution State Estimation via Deep Learning
K. R. Mestav, and L. Tong
57th Annual Allerton Conference on Communication, Control, and Computing, 2019

State Estimation for Unobservable Distribution Systems via Deep Neural Networks
K. R. Mestav, J. Luengo-Rozas, and L. Tong
IEEE Power Energy Society" General Meeting, July 2018.

Awards and Fellowships

Best paper award, IEEE PESGM
2018 "State Estimation for Unobservable Distribution Systems via Deep Learning"

Irwin and Joan Jacobs Scholarship, awarded by Cornell University
Fall 2016-2017

Full Undergraduate Stipend, awarded by TUBITAK (The Scientific and Technological Research Council of Turkey)
2011-2016

Gold Medal in Mathematics, International Zhautykov Olympiad Almaty, Kazakhstan
2011

Bronze Medal, International SilkRoad Mathematical Olympiad
2011

Industrial and Academic Experience

Visiting Researcher
Chalmers University of Technology, Göteborg, Sweden, November - May 2019

Senior Project
Human Detecting and Tracking with Multi-sensor, 2016

Internship at Fraunhofer IIS Nürnberg, Germany
GNSS CRPA Array Processing MATLAB Receiver, Summer 2015

Internship at Argela Inc., Development Labs, Ankara, Turkey
4G/LTE Communication System Development , Summer 2014

Teaching

Cornell University
Teaching Assistant, ECE 3100 Introduction to Probability and Inference for Random Signals and Systems, Spring 2018

Cornell University
Grader, ECE 5970 Machine Learning with Biomedical Data, Fall 2017

Bilkent University
Teaching Assistant, Math 102 Calculus II, Spring 2014

Bilkent University
Teaching Assistant, CS 101 Algorithms and Programming I, Summer 2013

TUBITAK (The Scientific and Technological Research Council of Turkey)
Trainer, Turkish National Mathematical Olympiad Team Training Camp, Spring 2013

Languages and Skills

Programming: Python, Java, MATLAB
Applications: LaTeX, MS Office
Languages: English (Advanced), Turkish (Native), German(Beginner)