

# 2018 ECE@GWU PhD Recruiting

**We are looking for motivated PhD students to join our department and work on the forefront of cutting-edge research in various exciting ECE areas.**

**Graduate Research Assistantships are available for Ph.D. students interested in the following research projects:**

1. (a) PhD students in computer architecture design including energy-efficient architectures, fault-tolerant multicore architectures, scalable accelerator-rich reconfigurable heterogeneous architectures, computing models related to machine learning (e.g., CNNs and DNNs), network-on-chips (NoCs), and cloud-computing; (b) Postdocs in computer architecture, with emphasis on the design of scalable, power-efficient, and reliable NoCs for multi-core.

Contact: Professor Ahmed Louri, [louri@gwu.edu](mailto:louri@gwu.edu) Website: <http://hpcat.seas.gwu.edu>

2. PhD students in (a) Cyber security focusing on software systems, communication protocols, IoT security, and the use of deep learning for cyber security. (b) Network optimization, video streaming and caching, cloud/fog computing.

Contact: Professor Tian Lan, [tlan@gwu.edu](mailto:tlan@gwu.edu) Website: <http://www2.seas.gwu.edu/~tlan>

3. PhD students in computer engineering in the general areas of computer systems, big data, and machine learning.

Contact: Professor Howie Huang, [howie@gwu.edu](mailto:howie@gwu.edu) Website: <http://www.seas.gwu.edu/~howie>

4. PhD students in computer engineering to investigate mechanisms to improve energy efficiency in data centers through a holistic understanding of datacenter servers/networks, and by leveraging the power optimizing features.

Contact: Professor Guru Venkataramani, [guruv@gwu.edu](mailto:guruv@gwu.edu) Website: <https://www2.seas.gwu.edu/~guruv>

5. PhD students/Postdocs in High-Performance Computing and Data Analytics Systems; and PhD students/postdocs Processor Architectures [Nuomorphic, Meristors, nanophotonic and Reconfigurable].

Contact: Prof. Tarek El-Ghazawi, [tarek@gwu.edu](mailto:tarek@gwu.edu) Website: [www.seas.gwu.edu/~tarek](http://www.seas.gwu.edu/~tarek)

6. Reliability and Resilience Modeling and Assessment of Electric Power Systems, Critical Infrastructures, and Cyber-Physical Systems; Advanced Data Analytics in Smart Electricity Grids; Synchrophasor and Applications in Power Systems.

Contact: Prof. Payman Dehghanian, [payman@email.gwu.edu](mailto:payman@email.gwu.edu) Website: [www.dehghanian.net](http://www.dehghanian.net)

7. Nanophotonics with openings for both PhD students and postdoctoral research fellows in nanophotonics, plasmonics, optical information processing, neuromorphic computing.

Contact: Prof. Volker Sorger, [sorger@email.gwu.edu](mailto:sorger@email.gwu.edu) Website: <http://sorger.seas.gwu.edu/openings.html>