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  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 Website: http://www.seas.gwu.edu/~tlan

3. PhD students in operating system, algorithm (big data, graph, machine learning), architecture (GPU, non-volatile memory)
   Contact: Professor Howie Huang, 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 under-standing of datacenter servers/networks, and by leveraging the power optimizing features.
   Contact: Professor Guru Venkataramani, guruv@gwu.edu Website: https://www.seas.gwu.edu/~guruv

5. PhD students/Postdocs in High-Performance Computing and Data Analytics Systems; and PhD students/postdocs in Pro-cessor Architectures [Neuromorphic, Memristors, Nanophotonic and Reconfigurable].
   Contact: Prof. Tarek El-Ghazawi, tarek@gwu.edu Website: http://www.seas.gwu.edu/~tarek

   Contact: Prof. Payman Dehghanian, payman@gwu.edu Website: http://www.dehghanian.net

7. PhD students/Postdocs in nanophotonics, plasmonics, optical information processing, and neuromorphic computing.
   Contact: Prof. Volker Sorger, sorger@gwu.edu Website: http://sorger.seas.gwu.edu/openings.html

8. PhD students/Postdocs in optical networking for long-haul transport and datacenters.
   Contact: Prof. Suresh Subramaniam, suresh@gwu.edu. Website: http://www.seas.gwu.edu/~suresh

   Contact: Prof. M.E. Zaghloul, zaghloul@gwu.edu. Website: http://mems.seas.gwu.edu