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. Postdocs in computer architecture, with emphasis on the design of scalable, power-efficient, and reliable Network-on-Chips for multicore architectures. 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.
   Contact: Professor Ahmed Louri, louri@gwu.edu Website: http://hpcat.seas.gwu.edu

2. Cyber security focusing on feature identification in software systems, communication protocol customization, IoT security, binary rewriting, joint formal and statistical learning, and the use of deep learning techniques for (a) Cyber security focusing on software systems, communication protocols, IoT security, binary rewriting, and the use of deep learning for cyber security. (b) Network optimization, video streaming and caching, cloud/fog computing. discovering and improving cyber security.
   Contact: Professor Tian Lan, tlan@gwu.edu Website: http://www2.seas.gwu.edu/~tlan

   Contact: Professor Howie Huang, howie@gwu.edu Website: http://www.seas.gwu.edu/~howie

4. Computer engineering to investigate mechanisms to improve energy efficiency in data centers through a holistic understanding of data center servers and networks, and by leveraging the power optimizing features present in them.
   Contact: Professor Guru Venkataramani, 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 [Nuromorphic, Meristors, nanophotonic and Reconfigurable].
   Contact: Prof. Tarek El-Ghazawi, tarek@gwu.edu Website: https://impact.gwu.edu

   Contact: Prof. Payman Dehghanian, payman@email.gwu.edu Website: 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 Website: http://sorger.seas.gwu.edu/openings.html