

Assistant Professor, VLSI / Architecture

The Department of Electrical and Computer at Binghamton University (one of the four SUNY University Centers) invites applications for **two** tenure-track faculty positions at the rank of assistant professor for fall 2017. However, if the right candidate is identified early on, one of the two positions available could potentially be filled as soon as spring 2017.

The positions are focused on analog or digital VLSI design with an emphasis on emerging technologies and applications, including neuromorphic computing, nano computing, quantum computing, biomedical applications, ultra-low-power and energy harvesting sensor design, bio-interface design, security and trust in integrated circuits, reconfigurable hardware architectures, and modular embedded computer architectures.

To view the complete position announcement (requirements, qualifications, application instructions, etc.) go to <http://binghamton.interviewexchange.com/>

Assistant Professor, Electrical and Computer Engineering/Power Electronics

The Department of Electrical and Computer at Binghamton University (one of the four SUNY University Centers) invites applications for a tenure-track faculty position at the rank of assistant professor for fall 2017.

The position is focused on power electronic circuits and systems applications for energy generation, storage, distribution, management, and control, or closely related areas; a secondary interest is in the area of low-power electronics aimed at developing efficiently operating electronic systems, including data centers, by controlling resources and managing workloads to achieve optimal energy consumption. Ideally the research area will have synergy with our existing faculty research in power/energy systems, smart grid, ultracapacitor energy storage and photovoltaic energy conversion.

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Assistant Professor, Security of Cyber Physical Systems

The Department of Electrical and Computer at Binghamton University (one of the four SUNY University Centers) invites applications for a tenure-track faculty position at the rank of assistant professor for fall 2017.

The position is focused on basic security properties and principles, with particular interest in cyber physical systems research that is grounded in one of the following application domains: biomedical systems security, smart grid security, smart and connected communities, security in the Internet of Things, security of autonomous automobile technology, unmanned aerial vehicle security, and security of advanced manufacturing and robotics systems. Applicants should be open to collaborative efforts and have synergy with our existing faculty research in power/energy systems, security, and biosystems.

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