

The "Cybersecurity" Specialization

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About the Instructor

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Dr. Gang Qu is currently a professor in the Department of Electrical and Computer Engineering in the University of Maryland at College Park. He is also a member of the Maryland Cybersecurity Center and the Maryland Energy Research Center. Dr. Qu is the director of Maryland Embedded Systems and Hardware Security (MeshSec) Lab and the Wireless Sensors Laboratory. His primary research interests are in the area of embedded systems and VLSI CAD with focus on low power system design and hardware related security and trust. He studies optimization and combinatorial problems and applies his theoretical discovery to applications in VLSI CAD, wireless sensor network, bioinformatics, and cybersecurity.

He received his B.S. (in pure mathematics with a minor in non-linear science) and M.S. (in applied mathematics) from the University of Science and Technology of China (USTC). He came to the United States to continue his study on solitons in the University of Oklahoma before switched to computer science and obtained his Ph.D. from the University of California, Los Angeles (UCLA). Dr. Qu has co-authored the book "Intellectual Property Protection in VLSI Designs: Theory and Practice" (2003) and book chapters on hardware security and trust in three books: *Handbook of Sensor Networks* (CRC Press 2004), *Introduction to Hardware Security and Trust* (Springer 2012), and *Secure System Design and Trustable Computing* (Spring 2015).

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