

Melissa C. Smith

Assistant Professor, Clemson University

Dr. Melissa Smith has more than 12 years experience with FPGA devices, the last seven of which have focused exclusively on using these devices in computing applications and as accelerators. Dr. Smith's experience with advance computing architectures and high-performance reconfigurable computing includes collaborative efforts in application development with scientists at Oak Ridge National Laboratory (ORNL) implementing scientific applications of interest to ORNL and DOE on reconfigurable architectures. Dr. Smith also has substantial experience in performance evaluation, modeling, and scheduling with colleagues at ORNL and at the University of Tennessee. Her current research focuses on reconfigurable architectures for high-performance computing including performance analysis and



modeling, application development, and methodologies. She is a senior member of IEEE and actively involved in mentoring programs for young scientists and engineers.

Research interests: Reconfigurable Computing, High-Performance & Distributed Computing, Embedded Computing, Distributed Sensor Networks, Performance Evaluation and Prediction, System Modeling and Analysis, Digital & Analog ASIC Design

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