

Computer Science Engineering Faculty List 2008-09

name	office	telephone	lab/area	research interests
Ackerman, Mark S.	3645 CSE	(734) 763-5439	Intel Syst/ Interactive Systems	human-computer interaction, collaborative technologies, computer-supported cooperative work
Austin, Todd	4637 CSE	(734) 936-0370	Hardware	Computer architecture, compilers, VLSI design, hardware modeling and verification
Bailey, Michael	4611 CSE	(734) 647-8086	Software	Security and software systems; networking and distributed systems/working with F. Jahanian
Baveja, Satinder Singh	3749 CSE	(734) 936-2831	Intelligent Systems	Reinforcement Learning, Machine Learning, Computational Game Theory, Adaptive Human Computer Interaction
Bertacco, Valeria	4645 CSE	(734) 615-4047	Hardware	Verification and reliability of microchip designs, including techniques that enable the semi-formal verification of industrial-scale designs and low-cost solutions for reliable computations with unreliable chips.
Blaauw, David T.	4749 CSE	(734) 763-4526	Hardware	Low Power and High Performance VLSI Design, Analysis and Optimization
Boyapati, Chandrasekhar	4628 CSE	(734) 763-9015	Software	Type Systems, Programming Languages, Program Analysis, Software Engineering
Chen, Peter M.	4640 CSE	(734) 763-4472	Software	Operating systems, computer security, virtual machines, fault-tolerant computing
Compton, Kevin J.	3603 CSE	(734) 763-9165	Theory	Theory of computation, Complexity of combinatorial and logical problems, analysis of algorithms, automata theory
Durfee, Edmund H.	3745 CSE	(734) 936-1563	Intelligent Systems	Multi-agent coordination and intelligent real-time systems
Flinn, Jason	4641 CSE	(734) 936-5983	Software	Mobile and pervasive computing, operating systems, distributed systems, energy management
Halderman, J. Alex	4717 CSE	609 558-2312	Software	Computer security, electronic voting, digital rights management, information privacy, and tech policy. Software Systems.
Hayes, John P.	4713 CSE	(734) 763-0386	Hardware	Computer architecture, Fault tolerant computers, VLSI design, Computer-aided design and testing, Quantum computing
Honeyman, Peter	4777 CSE	(734) 763-1156	Software	Computer Security, File Systems and Mobile Computing
Jagadish, H V	4601 CSE	(734) 763-4079	Software	Bioinformatics; Database Systems
Jahanian, Farnam	3713 CSE	(734) 764-8504	Software	Distributed computing, network security, and network protocols and architectures
Jamin, Sugih	4737 CSE	(734) 763-1583	Software	Computer networks, graphics, animation, gaming, photography and vision, mobile applications, robot communication
Kieras, David E.	3641 CSE	(734) 763-6739	Intel Syst/ Interactive Systems	Human cognition and performance, Cognitive Architectures, Human-computer interaction, User interface design
Kuipers, Benjamin	3741 CSE	(734) 647-6887	Intelligent Systems	Artificial Intelligence; Machine Learning; Robotics
Laird, John E.	3753 CSE	(734) 647-1761	Intelligent Systems	Artificial Intelligence, Cognitive Architectures, Machine learning, and Computer Games
LeFevre, Kristen	4705 CSE	(734) 763-3229	Software	Database privacy and security, database systems, data mining.
Mahlke, Scott	4633 CSE	(734) 936-1602	Hardware	Compilers, application-specific processors, computer architecture and microarchitecture, embedded systems
Mao, Zhuoqing Morley	4629 CSE	(734) 763-5407	Software	Networking and network security with an emphasis on Internet routing, network and security management, enterprise and data-center networking
Markov, Igor	4769 CSE	(734)-936-7829	Hardware	Electronic and quantum design automation. Intellectual property protection for hardware and software. Algorithms for large-scale optimization
Mazumder, Pinaki	4765 CSE	(734) 763-2107	Hardware	VLSI circuit design, VLSI testing, and VLSI layout tools
Mudge, Trevor	4757 CSE	(734) 764-0203	Hardware	Computer systems design, Parallel processing, Computer-aided design, Impact of technology on computer architecture
Narayanasamy, Satish	4709 CSE	(734) 764-6984	Hardware	Computer Architecture; Program Analysis; Dependable Systems; Programmer Productivity; Parallel Computing
Noble, Brian	4753 CSE	(734) 936-2971	Software	Software Systems.
Olson, Edwin	3737 CSE	(734) 647-1049	Intelligent Systems	Machine Learning; Robotics, Multi-Sensor Perception, State Estimation
Papaefthymiou, Marios	4745 CSE	(734) 764-3184	Hardware	Computer-aided design, VLSI design, algorithms, parallel and distributed computing
Pettie, Seth	3628 CSE	(734) 615-4210	Theory	Optimization algorithms, data structures, parallel and distributed computing, graph theory, and combinatorics
Pollack, Martha	304 W. Hal	(734) 647-3576	Intelligent Systems	Artificial intelligence, planning and execution, agent-based systems, computational models of rationality
Prakash, Atul	4741 CSE	(734) 763-1585	Software	security policy management, software infrastructure to support collaborative work, privacy in pervasive computing, intrusion detection, group security, operating system security, scientific laboratories
Radev, Dragomir	3769 CSE	(734) 764-3726	Intelligent Systems	Information retrieval, natural language processing, digital libraries, text and data mining, artificial intelligence
Sakallah, Karem A.	4603 CSE	(734) 936-1350	Hardware	VLSI, Computer-aided design, Timing verification, Optimal clocking
Shi, Yaoyun	3633 CSE	(734) 764-3308	Theory	Theory of computation and quantum computing
Shin, Kang G.	4605 CSE	(734) 763-0391	Software	Wired and wireless networking, especially focusing on QoS issues; embedded real-time systems, emphasizing small OSs and sensor network protocols and security; secure fault-tolerant system design and analysis.
Soloway, Elliot	3629 CSE	(734) 936-1562	Intel Syst/ Interactive Systems	Human-computer interaction, interactive media, teaching and learning
Stout, Quentin F.	3605 CSE	(734) 763-1518	Theory/Soft ware	Parallel computing, algorithms, supercomputing applied to problems in science and engineering, optimizing clinical trials, and adaptive learning
Strauss, Martin J.	3611 CSE	(734) 763-3005	Theory	Randomized and approximation algorithms, especially for massive data sets and problems from harmonic analysis; cryptography and security; complexity theory
Wakefield, Gregory H.	3637 CSE	(734) 763-1254	Intel Syst/ Interactive Systems	Spectral estimation theory, Array processing, Speech coding, Music processing
Wellman, Michael	3757 CSE	(734) 764-6894	Intelligent Systems	Artificial Intelligence, Electronic Commerce
Wenisch, Tom	4620 CSE	(734) 647-7959	Hardware	Computer architecture, data centers and enterprise systems, multiprocessor and multicore systems, performance evaluation methodology