Agarwal, Yuvraj  Courtesy  Professor – ECE; Assistant Professor – CS  (412) 268-7328  yuvraja@andrew.cmu.edu
Alacce, John  Systems  Administrator – ECE  (412)-268-6649  jalacce@ece.cmu.edu
Alvarez, Renee  Senior Administrative Assistant – ECE  RCALVARE@andrew.cmu.edu
Ambrass, Charlotte  Director of Finance and Sponsored Research – ECE  (412)-268-6858  ambrass@ece.cmu.edu
Amos, Rachel  Manager of Undergraduate Advising – ECE  (412) 268-3666  ramos2@andrew.cmu.edu
Amvrosiadis, George  Assistant Research Professor – ECE  gamvrosi@andrew.cmu.edu
Andersen, David  Adjunct Professor – ECE  dga2@andrew.cmu.edu
Anna, Shelley L.  Associate Professor – MechE; Affiliated Faculty – DSSC  (412)-268-6492  sanna@andrew.cmu.edu
Ausavarungnirun, Rachata  Post Doctoral Research Associate – ECE  rausavar@andrew.cmu.edu

Bain, Jim  Professor – ECE, MSE; Associate Director – DSSC  (412)-268-3602  jbain@ece.cmu.edu

Keywords

Thin-film magnetic device design, fabrication, and testing; magnetic disk and tape recording
Balram, Nikhil  Adjunct Professor – ECE
Bandola, Judy  Administrative Coordinator – ECE  (412)-268-2224  judy@ece.cmu.edu
Bauer, Lujo  Associate Professor – ISR, ECE  (412)-268-9745  lbauer@cmu.edu

Keywords

Computer security, access control, program monitoring, security automata, policy specification
Bauerle, Claire E.  Administrative Coordinator – ECE  (412)-268-7422  cbauerle@ece.cmu.edu
Beckmann, Nathan  Courtesy Professor – ECE; Assistant Professor – CSD  beckmann@cs.cmu.edu
Berger, Luc  Professor
Emeritus – Physics; Affiliated Faculty – DSSC
(412)-268-2919
lberger@andrew.cmu.edu

Bergeres, Mario Assistant
Professor – CEE; Courtesy Professor – ECE
412-268-4572
marioberges@cmu.edu

Bhagavatula, Vijayakumar U.A. and Helen Whitaker Professor – ECE; Affiliated Faculty – DSSC; Associate Dean of Faculty and Graduate Affairs – CIT
(412)-268-3026
kumar@ece.cmu.edu

Bergeres, Mario Assistant
Professor – CEE; Courtesy Professor – ECE
412-268-4572
marioberges@cmu.edu

Bhagavatula, Vijayakumar U.A. and Helen Whitaker Professor – ECE; Affiliated Faculty – DSSC; Associate Dean of Faculty and Graduate Affairs – CIT
(412)-268-3026
kumar@ece.cmu.edu

Keywords
Coding and signal processing for data storage, biometrics, pattern recognition

Bianchini, Ronald Adjunct
Professor – ECE
(412)-968-9110
rpb@ece.cmu.edu

Bianchini, Ronald Adjunct
Professor – ECE
(412)-968-9110
rpb@ece.cmu.edu

Keywords
Distributed fault-tolerant computing and computer networks

Bintrim, Grace Administrative Coordinator – ECE
(412) 268-9192
gbintrim@andrew.cmu.edu

Bishop, Cathy Instructor – ECE
mcbishop@andrew.cmu.edu

Blanton, Shawn Professor – ECE
(412)-268-2987
rblanton@andrew.cmu.edu

Keywords
Test and diagnosis of heterogeneous, integrated systems

Bollapragada, Vara Post Doctoral Research Associate – ECE
sbollapr@ece.cmu.edu

Boni, Dante Equipment Technician – Nanofab
dboni@andrew.cmu.edu

Bosle, Kevin Senior Buyer – ECE
(412)-268-9642
kbosle@ece.cmu.edu

Brown, Timothy X Distinguished Service Professor – EPP, ECE 250 78 767 40 62
timxb@andrew.cmu.edu

Brown, Timothy X Distinguished Service Professor – EPP, ECE 250 78 767 40 62
timxb@andrew.cmu.edu

Brumley, David J. Associate Professor – CSD; Director – CyLab; Professor – ECE
(412)-268-3851
dbrumley@ece.cmu.edu

Bryant, Randal Professor – CS; Courtesy Professor – ECE
(412)-268-8821
bryant@cs.cmu.edu

Keywords
Formal hardware and software verification
Burns, Krista  Communications  (412)-268-5316
Manager – ECE  kgregan@ece.cmu.edu

Carley, Kathleen  Professor – ISR; Courtesy Professor – ECE  (412)-268-6016
Carley, Rick  ST Microelectronics  (412)-268-3597
Professor – ECE; Affiliated Faculty – DSSC  lrc@ece.cmu.edu

Keywords

CAD and design of analog signal processing circuits and MEMS systems

Carlsile, Martin  Teaching  mcarlis@andrew.cmu.edu
Professor – INI; Director of Academic Affairs – INI;Courtesy Professor – ECE

Caruso, Stephanie  Academic Program  (650)-335-2853
Advisor – ECE  stephaniec@cmu.edu

Chamanzar, Maysam  Assistant  412-268-3390
Professor – ECE  mchamanz@andrew.cmu.edu

Keywords

Optics, Neural Interfaces, Photonic Integrated Circuits, Plasmonics, Sensing

Chase, Steven  Courtesy Professor – ECE  schase@andrew.cmu.edu
Chen, Tsuhan  Adjunct Professor – ECE  tsuhan@ece.cmu.edu

Keywords

Multimedia coding and streaming, computer vision, pattern recognition, computer graphics, multimodal biometrics

Chi, Yuejie  Associate Professor – ECE  yuejiec@andrew.cmu.edu
Chomas, Louis  Research  (412)-855-9077
Associate – DSSC; Cleanroom/MEMS Engineer – ECE  lchomas@andrew.cmu.edu

Choset, Howie  Professor – RI; Courtesy Professor – ECE  (412)-268-2495
choset@cs.cmu.edu

Keywords

Hyper-redundant mechanisms, coverage, car-painting, de-mining, mobile robots, motion planning, hybrid controls

Chraska, Jacqueline  Administrative Coordinator – ECE  (412)-268-3096
chraska@ece.cmu.edu
Christin, Nicolas  Associate Research Professor – EPP; Assistant Research Professor – CyLab; Courtesy Professor – ECE  (412)-268-4432 nicolasc@andrew.cmu.edu

Keywords

Computer security, network security, online crime, security economics, usable security, algorithmic applications of game theory

Chung, Pil Seung  Post Doctoral Research Associate – ChemE, DSSC  (412)-268-4035 pil@cmu.edu

Cominos, Lenna  Corporate Relations – ECE  (412)-268-7689 cominos@andrew.cmu.edu

Condeessa, Filipe  Post Doctoral Research Associate – ECE  (412)-268-4432 fcondess@andrew.cmu.edu

Conley, Kelley  Research Administrator – ECE  (412)-268-3729 kelleyc@andrew.cmu.edu

Copetas, Catherine  ECE/SCS Office of Engagement and Annual Giving – ECE  (412)-268-3299 copetas@andrew.cmu.edu

Cowan, Christina  Director of Administrative Services & Office of the Department Head – ECE  (412)-268-3729 ccowan@andrew.cmu.edu

Cranor, Lorrie F.  Professor – ISR, EPP; Courtesy Professor – ECE  (412)-268-7534 lorrie@cs.cmu.edu

Keywords

Usable privacy and security

Datta, Anupam  Associate Professor – CyLab, ECE  danupam@andrew.cmu.edu

Davis, Robert  John and Claire Bertucci Distinguished Professor – MSE; Courtesy Professor – ECE  (412)-268-7264 rfd@andrew.cmu.edu

Decker, Dave  Manager of Web Development Services – ECE  (412)-268-8157 ddecker@andrew.cmu.edu

De La Torre Frade, Fernando  Courtesy Professor – ECE; Research Scientist – RI  ftorre@cs.cmu.edu

Dey, Anind K.  Associate Professor – HCI; Courtesy Professor – ECE  anind@cs.cmu.edu

Dolan, John  Courtesy Professor – ECE; Senior Systems Scientist – RI  (412)-268-7988 jmd@cs.cmu.edu
Keywords

mobile and space robotics, human-robot interaction, mechatronics, automated manufacturing

Dun, Jian Post Doctoral Research Associate – ECE

Eckhardt, Dave Courtesy Professor – ECE; Assistant Teaching Professor – CS

Elgersma, Steve Senior Systems & Software Engineer – ECE

Erdogmus, Hakan Associate Teaching Professor – ECE

Ervin, Allison Administrative Coordinator – ECE

Faloutsos, Christos Professor – CS; Courtesy Professor – ECE

Fanti, Giulia Assistant Professor – ECE

Fassinger, Dan P. IT Manager – ECE

Fedder, Gary Howard M. Wilkoff Professor – ECE, RI; Co-Director – MEMS; Affiliated Faculty – DSSC

Keywords

Databases, data mining, multimedia indexing, performance evaluation

Falsafi, Babak Adjunct Professor – ECE, CS

Fedder, Gary Howard M. Wilkoff Professor – ECE, RI; Co-Director – MEMS; Affiliated Faculty – DSSC

Keywords

Computer architecture, memory systems, multiprocessor architecture, architectural support for gigascale integration, design evaluation tools

Fanti, Giulia Assistant Professor – ECE

Fassinger, Dan P. IT Manager – ECE

Fedder, Gary Howard M. Wilkoff Professor – ECE, RI; Co-Director – MEMS; Affiliated Faculty – DSSC
Keywords
Microelectromechanical systems (MEMS), RF MEMS, inertial/bio/chemical sensors, MEMS CAD, micro-robotics

Feenstra, Randy Professor – Physics; Courtesy Professor – ECE

Keywords
Molecular beam epitaxy, scanning tunneling microscopy

Ferris, Sherri Administrative Coordinator – ECE

Ferris, Sherri Administrative Coordinator – ECE

Ferris, Sherri Administrative Coordinator – ECE

Ferris, Sherri Administrative Coordinator – ECE

Fox, Toni Sponsored Research Assistant – CyLab

Fox, Toni Sponsored Research Assistant – CyLab

Franchetti, Franz Professor – ECE; Faculty Director of ITS – ECE

Keywords
Automatic performance tuning; automatic software libraries generation; code generation for multicore CPUs, high-performance systems (HPC), GPUs, FPGA-acceleration; logic-in-memory and 3DIC systems; domain-specific languages and compilers

Fredrikson, Matt Assistant Professor – ISR, CS; Courtesy Professor – ECE

Keywords
Security, privacy, formal methods, and programming languages.

Frost, Brittany Senior Sponsored Research Assistant – CyLab

Frost, Donna International Scholar Coordinator – ECE

Furuta, Masaki Post Doctoral Research Associate – ECE

Gamble, Andrew Laboratory Electronics Supervisor – DSSC
**Ganger, Greg** Affiliated Faculty – CSD; Jatras
Professor – ECE, CSD; Director – PDL
(412)-268-1297
ganger@ece.cmu.edu

**Keywords**
cloud computing, storage/file systems, operating systems, distributed systems

**Garba, Aminata** Assistant Teaching Professor – ECE
+250 78 152 04 72
aminata@ece.cmu.edu

**Geiger, Kristen** Senior Research Administrator – ECE
(412) 268-3836
ksgeiger@andrew.cmu.edu

**Gellman, Andrew J.**, Lord Professor – ChemE; Professor – Chemistry; Affiliated Faculty – DSSC
ag40@andrew.cmu.edu

**Ghose, Saugata** Systems Scientist – ECE
(412)-268-9192
saugatag@andrew.cmu.edu

**Gibbons, Phil** Professor – ECE
pgibbons@andrew.cmu.edu

**Gibson, Garth** Professor – CS; Courtesy Professor – ECE; Affiliated Faculty – DSSC
(412)-268-5890
garth@cs.cmu.edu

**Gkioulekas, Ioannis** Assistant Professor – RI; Courtesy Professor – ECE
igkioule@andrew.cmu.edu

**Gligor, Virgil** Professor – ECE; Co-Director – CyLab
(412)-268-9833
virgil@andrew.cmu.edu

**Goldstein, Seth** Associate Professor – CSD; Courtesy Professor – ECE
(412)-268-3828
seth@cs.cmu.edu

**Gottron, Norman** Process Engineer – Nanofab
(412)-268-4205
ngottron@andrew.cmu.edu

**Greenfield, Anissa** Manager, Sponsored Research Administration – ECE
(412)-268-3114
admyers@ece.cmu.edu

**Greve, David** Professor Emeritus – ECE
(412)-268-3707
dg07@andrew.cmu.edu
Keywords

Semiconductor device physics and semiconductor process technology, sensors

Grieco, Patricia L.  Administrative Manager – DSSC  (412)-268-6429  pg1q@andrew.cmu.edu

Griss, Martin L.  Adjunct Professor – ECE  (650)-335-2805  martin.griss@west.cmu.edu

Grover, Pulkit  Assistant Professor – ECE  412-268-3644  pgrover@ece.cmu.edu

Grupe, Alan  Senior Facilities Manager – ECE  (412)-268-2526  alan@ece.cmu.edu

Harchol-Balter, Mor  Associate Professor – CS; Courtesy Professor – ECE  (412)-268-7893  harchol@andrew.cmu.edu

Keywords

Scheduling of computer systems, workload characterization, heavy-tailed distributions

Harding, Meighan  Senior Director of Operations – ECE  (412)-268-8924  meighan.harding@ece.cmu.edu

He, Bin  Department Head – BME; Courtesy Professor – ECE; Professor – BME

Higgs III, Fred  Professor – MechE; Courtesy Professor – ECE  (412)-268-2486  higgs@andrew.cmu.edu

Keywords

Tribology, nanomanufacturing, multi-scale particle flows

Hills, Alex  Distinguished Service Professor – EPP; Courtesy Professor – ECE  (907)-232-6088  ahills@cmu.edu

Keywords

Research in wireless technology and telecommunications policy

Hilton, Chad  Senior Systems & Software Engineer – ECE  (412)-268-6037  chilton@andrew.cmu.edu

Hoburg, James  Emeritus Faculty – ECE  (412)-268-2473  hoburg@ece.cmu.edu
Electromagnetics, electromechanics, electrohydrodynamics, microfluidics

Hoe, James C. Professor – ECE, CS; Co-Director – CALCM (412)-268-4259 jhoe@cmu.edu

Computer architecture, high-level hardware description and synthesis

Hollis, Ralph L. Research Professor – RI; Courtesy Professor – ECE (412)-268-8264 rhollis@cs.cmu.edu

Haptics, microassembly, dynamically stable mobile robots

Hong, Jason Courtesy Professor – ECE; Associate Professor – CS jasonh@cs.cmu.edu

Power systems, optimization, control, energy networks, decomposition

Iannucci, Bob Distinguished Service Professor – Carnegie Mellon Silicon Valley, ECE; Director – CyLab Mobility Research Center (650) 714 1200 roberti@andrew.cmu.edu

Mobile and embedded computing, scalable systems, sensor networks, emergency communications systems

Ilic, Jovan Associate Teaching Professor – ECE (412)-268-3943 jilic@ece.cmu.edu

Ilic, Marija Professor Emeritus – ECE milic@ece.cmu.edu

Large-scale systems modeling and simulation; power systems control and pricing algorithms; critical infrastructures/interdependencies

Ishihara, Abe Courtesy Professor – ECE abe.ishihara@sv.cmu.edu
Jackson, Collin
Adjunct Professor – ECE
collin.jackson@sv.cmu.edu
(412) 268-3363
Jahanian, Farnam
Vice President for Research – CMU; Courtesy Professor – ECE
farnam@andrew.cmu.edu
Jayan, B. Reeja
Courtesy Professor – ECE
bjayan@andrew.cmu.edu
Jhon, Myung S.
Professor – ChemE; Affiliated Faculty – DSSC
mj3a@andrew.cmu.edu
Jia, Limin
Assistant Research Professor – CyLab, INI, ECE
liminjia@andrew.cmu.edu
Jia, Limin
Assistant Research Professor – CyLab, INI, ECE
(412)-268-4605
Joe-Wong, Carlee
Assistant Professor – ECE
cjoewong@andrew.cmu.edu
Johnson, Aaron
Miami University
amj1@andrew.cmu.edu
Jordan, Angel
Emeritus University Professor – ECE, RI
ajordan@cs.cmu.edu
Joshi, Gauri
Assistant Professor – ECE
gaurij@andrew.cmu.edu
Kainerstorfer, Jana
Courtesy Professor – ECE
jkainers@andrew.cmu.edu
Kanade, Takeo
U.A. and Helen Whitaker Professor – CS, RI; Courtesy Professor – ECE
tk@cs.cmu.edu
Keywords

Computer vision, autonomous systems, medical robotics

Kar, Soummya Associate Professor – ECE (412)-268-8962

Keywords

Distributed Information Processing, Multi-Agent Decision Making, Adaptive Stochastic Systems

Kass, Leona Director of Student and Academic Affairs – ECE (412)-268-2496

Kavcic, Aleksandar Adjunct Faculty – ECE akavcic@andrew.cmu.edu

Kelly, Shawn K. Courtesy Professor – ECE; Senior Systems Scientist – ICES skkelly@andrew.cmu.edu

Khosla, Pradeep K. Adjunct Professor – ECE; Chancellor – University of California, San Diego pkk@ece.cmu.edu

Keywords

agent-based design and control, S/W engineering for real-time systems, distributed robotics, distributed information systems, Secure Embedded Software/Systems, Sensor Networks

Kim, Hyong Drew D. Perkins Professor – ECE (412)-268-6491

Keywords

Advanced switch and network architectures, fault-tolerant network architectures, network management and control

Kimukin, Ibrahim Research Associate – ECE (412)-268-9013

Kitani, Kris Courtesy Professor – ECE; Assistant Research Professor – RI kmkitani@andrew.cmu.edu

Knickerbocker, Kara Administrative Coordinator – ECE krk@andrew.cmu.edu

Kochhar, Abhay Research Scientist – ECE (412)-268-8013

Koeske, Matt Research Administrator – ECE (412)-268-7293
Kompalli, Suryaprakash Assistant Teaching Professor – ECE  
koeske@ece.cmu.edu  
+250 78 484 08 55

Koopman, Philip Associate Professor – ECE, CS  
koopman@cmu.edu  
(412)-268-5225

Keywords  
distributed embedded systems, survivable system architecture, dependability

Kovačević, Jelena Hamerschlag University Professor – ECE; University Professor – BME  
jelenak@cmu.edu  
(412) 268-3299

Keywords  
Signal processing, biomedical, wavelets, frames, multiresolution, communications

Kozuch, Michael A. Adjunct Professor – ECE  
mkozuch@andrew.cmu.edu

Krogh, Bruce H. Professor – ECE  
krogh@ece.cmu.edu  
(412)-268-2472

Keywords  
Synthesis and verification of embedded control software, distributed control strategies, distributed supervisory control, information and control in wireless sensor networks, discrete event and hybrid dynamic systems

Kryder, Mark Emeritus University Professor – ECE; Affiliated Faculty – DSSC  
kryder@ece.cmu.edu  
(412)-268-3513

Keywords  
Magnetic recording, optical recording and ferroelectric materials

Kumar, Swarun S. Assistant Professor – ECE  
swarun@cmu.edu  
412-268-1892

Kurpiewski, Matthew Systems Administrator – ECE  
mkurp@andrew.cmu.edu  
(412) 268-1973

Lambeth, David N. Professor Emeritus – ECE  
lambeth@ece.cmu.edu  
(412)-268-3674
Keywords

Physical and chemical sensors, transducers, MEMS, magnetism, materials, thin films, data storage and RF devices

Lane, Ian R. Associate Research Professor – ECE
ianlane@cs.cmu.edu

Laughlin, David ALCOA
(412)-268-2706
Professor – MSE; Courtesy
dl0p@andrew.cmu.edu
Professor – ECE; Affiliated Faculty – DSSC

Keywords

Magnetic materials, material science, electron microscopy, x-ray diffraction

Leathers, Diana Administrative Coordinator – ECE
650-335-2824
diana.leathers@sv.cmu.edu

Lehman, Philip ECE/SCS Office of Engagement and Annual Giving – ECE
pll@andrew.cmu.edu

Li, Ming Adjunct Professor – ECE
mingli1@andrew.cmu.edu
Li, Xin Adjunct Faculty – ECE
(412)-268-6507
xinli@ece.cmu.edu

Integrated circuits, computer-aided design

Lindenfelser, Karen Administrative Manager – PDL; Administrative Coordinator – ECE
(412)-268-6716
karen@ece.cmu.edu

Lohn, Jason D. Adjunct Faculty – ECE
(650)-335-2802
jason.lohn@sv.cmu.edu

Low, Tze Meng Assistant Research Professor – ECE
(412) 268-6756
lowt@andrew.cmu.edu

Lu, Canyi Post Doctoral Research Associate – ECE
canyil@andrew.cmu.edu

Lucia, Brandon Assistant Professor – ECE
(412) 268-3587
blucia@ece.cmu.edu

Lynch, Aydaen Principal Systems and Software Engineer – ECE
(412)-268-5818
alynch@ece.cmu.edu

Mahouski, Michelle Academic Services Coordinator – ECE
(412)-268-4951
mmahousk@andrew.cmu.edu

Mai, Ken Principal Systems Scientist – ECE
(412)-268-8335
kenmai@ece.cmu.edu
Keywords
Digital circuit design, computer architecture, memory design, reconfigurable computing

Majetich, Sara A. Professor – Physics; Courtesy Professor – ECE; Affiliated Faculty – DSSC
(412)-268-3105
sm70@andrew.cmu.edu

Maly, Wojciech Professor Emeritus – ECE
(412)-268-6637
maly@ece.cmu.edu

Keywords
Computer-aided design and manufacturing of VLSICs

Marculescu, Diana David Edward Schramm Professor – ECE; Associate Department Head for Academic Affairs – ECE
(412)-268-1167
dianam@ece.cmu.edu

Marculescu, Radu Professor – ECE
(412)-268-8710
radum@ece.cmu.edu

Keywords
VLSI/computer architecture, energy aware computing, CAD for integrated systems

Mattingly, Chloe Administrative Coordinator – DSSC, ECE
(412)-268-2650
chloem@andrew.cmu.edu

Maxion, Roy Research Professor – CS; Courtesy Professor – ECE
(412)-268-7556
maxion@cs.cmu.edu

Keywords
Embedded systems, multicore systems, on-chip communication, low-power design, cyber-physical systems.

McHenry, Michael E. Professor – MSE; Affiliated Faculty – DSSC
(412)-268-2703
mm7g@andrew.cmu.edu

McKinney, Jim IT Manager – ECE
(412)-268-5141
jmck@ece.cmu.edu

Mehdizadeh, Emad Post Doctoral Research Associate – ECE
emehdiza@ece.cmu.edu
Mengshoel, Ole Principal Systems Scientist – ECE ole.mengshoel@sv.cmu.edu
Metcalf, David Senior Linux Engineer – ECE dmetcalf@andrew.cmu.edu
Miskov-Zivanov, Natasa Adjunct Faculty – ECE nmiskov@andrew.cmu.edu
Moe, Tara Director of Graduate Affairs – ECE taramoe@ece.cmu.edu
Mohimani, Hosein Courtesy Professor – ECE; Assistant Professor – CBD hoseinm@andrew.cmu.edu
Moneck, Matthew Executive Manager, ECE Nanofabrication Facility – Nanofab; Research Scientist – DSSC mmoneck@andrew.cmu.edu
Morchower, Bari Student Organizations and Activities Advisor – ECE bmorchow@andrew.cmu.edu
Morgan, Granger Professor – ECE; Lord Professor – EPP gm5d@andrew.cmu.edu

Keywords
Technology and policy including climate change and electric power
Morris, James Professor – CS; Courtesy Professor – ECE james.morris@sv.cmu.edu
Moura, Jose Associate Department Head - Research & Strategic Initiatives – ECE; Philip L. and Marsha Dowd University Professor – ECE, BME; Affiliated Faculty – DSSC moura@ece.cmu.edu

Keywords
Communications, statistical signal/image, video, and multimedia processing, wavelet transforms
Moutis, Panayiotis Post Doctoral Research Associate – ECE pmoutis@andrew.cmu.edu
Mowry, Todd Professor – CS; Courtesy Professor – ECE; Co-Director – CALCM tcm@cs.cmu.edu

Keywords
Computer architecture, compilers, operating systems, parallel processing
Moya, Linda Assistant Teaching Professor – ECE, SDS 412-268-8364
lhmoya@andrew.cmu.edu

Mukherjee, Tamal Professor – ECE (412)-268-8522
tamal@ece.cmu.edu

Keywords
Analog/RF/MEMS/biofluidic microsystem design

Mutlu, Onur Adjunct Professor – ECE onur@cmu.edu

Keywords
Computer architecture, hardware/software interaction, operating systems, fault tolerance

N

Nace, Bill Associate Teaching Professor – ECE (412)-268-7027
wnace@cmu.edu

Keywords
Digital Design, Embedded Systems, Networks

Narasimhan, Priya Professor – ECE (412)-268-8801
priya@cs.cmu.edu

Keywords
fault tolerance, distributed systems, embedded systems, mobile systems

Narasimhan, Srinivasa Associate Professor – RI; Courtesy Professor – ECE 412-268-1199
srinivas@andrew.cmu.edu

Keywords
computational sensors, computer graphics, computer vision, image processing, optics

Negi, Rohit Professor – ECE; Affiliated Faculty – DSSC (412)-268-6264
negi@ece.cmu.edu

Keywords
Wireless systems, networking, sensor networks, signal processing, coding for communications, information theory

Nguyen, Kimmy Event and Project Coordinator – ECE (412) 268-7138
myn@andrew.cmu.edu

Noel, Margaret Associate Director of Alumni Relations and Annual Giving – ECE 412-268-7202
mnoel@andrew.cmu.edu
Noh, Hae Young  Assistant Professor – CEE; Courtesy Professor – ECE

O’Hallaron, David  Professor – CS, ECE; Director – Intel Research Pittsburgh

Keywords
Scientific computing, parallel computing, computational database systems, and virtualization

Oliver, Megan  Academic Services Coordinator – ECE

Ozdoganlar, O. Burak  Affiliated Faculty – DSSC; Associate Professor – MechE

Ozdoganlar, Neslihan  M.S. Academic Program Advisor – ECE

Péraire, Cécile  Associate Teaching Professor – ECE

Püschel, Markus  Adjunct Professor – ECE

Keywords
Fast computing, algorithms, applied mathematics, and signal processing (theory, software, hardware)

Pagliarini, Samuel  Senior Research Scientist – ECE

Palko, Adam P.  Finance and Research Administrator – ECE

Pandey, Manish  Adjunct Faculty – ECE

Paramesh, Jeyanandh  Associate Professor – ECE

Keywords
Analog, Mixed-signal and RF/millimeter-wave Integrated Circuit Design, Digitally-assisted analog/RF IC design

Parno, Bryan  Associate Professor – ECE, CSD

Pasareanu, Corina  Senior Research Scientist – ECE-SV
Patterson, Carolyn Administrative Coordinator – ECE
pcorina@andrew.cmu.edu
(412)-268-7286
carol@ece.cmu.edu

Pavlo, Andy Courtesy Professor – ECE
pavlo@cs.cmu.edu

Peha, Jon Professor – EPP; Courtesy Professor – ECE
peha@ece.cmu.edu
(412)-268-7126

Keywords
Telecommunications, wireless networks, internet, spectrum management, communications for homeland security, electronic commerce, developing countries, universal service, security

Penderville, JT Audio Visual & Distance Communications Manager – ECE
jtpender@andrew.cmu.edu
(412) 268-6555

Perrig, Adrian Adjunct Professor – ECE; Professor – EPP, CS; Technical Director – CyLab
adrian@ece.cmu.edu
(412)-268-2242

Keywords
Information and systems security, focusing on network security (internet, mobile computing, and sensor networks) as well as on trusted computing.

Phelps, Shelley Finance and Business Associate – ECE
sphelps@andrew.cmu.edu
(412) 268-8745

Piazza, Gianluca (Gian) Professor – ECE; Director – Nanofab
piazza@ece.cmu.edu
(412)-268-7762

Keywords
MEMS, NEMS, nanotechnology, microfabrication, integration of electronics with M/NEMS

Pileggi, Larry Tanoto Professor – ECE
pileggi@ece.cmu.edu
(412)-268-6774

Keywords
Design, implementation and modeling of electronic integrated systems

Pileggi, Leah Professional Writer – ECE; Professional Assistant – ECE
leahp1@andrew.cmu.edu

Platzer, Andre Assistant Professor – CS, ECE
aplatzer@cs.cmu.edu
(412)-268-1558
Keywords

Verification of embedded control systems, hybrid dynamical systems, cyber-physical systems, distributed hybrid systems, logic and formal methods

Prelich-Knight, Lyz Academic Services Coordinator – ECE (412)-268-5087 lyz@ece.cmu.edu

Racko, Angela Finance and Business Associate – ECE amracko@andrew.cmu.edu

Rajkumar, Raj Professor – ECE, CSD; Co-Director – GM-CM CRL; Director – Real-Time and Multimedia Systems Laboratory (412)-268-8707 raj@ece.cmu.edu

Keywords

Embedded and real-time systems

Ramakrishnan, Bhiksha Raj Courtesy Professor – ECE; Associate Professor – LTI bhiksha@cs.cmu.edu

Ramsey, Erika Temporary Employee Services - Finance and Business Associate – ECE eramsey@andrew.cmu.edu

Reddy, Raj Courtesy Professor – ECE; Mozah Bint Nasser University Professor – CS reddy@cs.cmu.edu

Vijay Renganarajan Post Doctoral Research Associate – ECE vangarai@andrew.cmu.edu

Reyes, Brittany Academic Services and Student Organizations Coordinator – ECE bjreyes@andrew.cmu.edu

Ricketts, David Adjunct Professor – ECE ricketts@ece.cmu.edu

Keywords

Nanoscale electronics, nanoscale devices, nonlinear dynamics, analog circuits

Risley, Mason Process Engineer – Nanofab mrsley@andrew.cmu.edu

Rohrer, Ronald A. Professor Emeritus – ECE rohrer@ece.cmu.edu

Keywords

Electronic circuits, systems design automation

Rosvanis, James Nanofab Technician – Nanofab (412)-268-1375 rosvanis@andrew.cmu.edu
Rowe, Anthony  Associate  (412)-268-4856  agr@ece.cmu.edu

Keywords
Embedded systems, distributed systems, sensor networks

Rutenbar, Rob A.  Adjunct Professor – ECE  rutenbar@ece.cmu.edu

Keywords
VLSI CAD, algorithms, analog and digital circuits, automatic speech recognition

Caruso, Stephanie  Academic Program Advisor – ECE  (650)-335-2853  stephaniec@cmu.edu

Salvador, Paul A.  Associate Professor – MSE; Affiliated Faculty – DSSC  (412)-268-2702  paul7@andrew.cmu.edu

Santhanarayanan, Aswin  Assistant Professor – ECE  (412)-268-1087  saswin@ece.cmu.edu

Santhanam, Suresh  Principal Process Engineer – ECE  (412)-268-2026  ss9s@andrew.cmu.edu

Satyanarayanan, Mahadev  Carnegie Professor – CS; Courtesy Professor – ECE  (412)-268-3743  satya@cmu.edu

Savvides, Marios  Research Professor – ECE; Director – CyLab Biometrics Center  (412)-268-1142  marioss@andrew.cmu.edu

Keywords
Biometric identification, Cyber-Physical Security, Authentication, Pattern recognition

Schlesinger, T.E. (Ed)  Adjunct Professor – ECE  ed@ece.cmu.edu

Keywords
Semiconductor devices, information storage, optoelectronic systems

Schneider, Jeff  Research Professor – RI; Courtesy Professor – ECE  jeff4@andrew.cmu.edu

Sekar, Vyas  Assistant Professor – ECE  vsekar@ece.cmu.edu
Keywords

Networking, Security, Systems, Software-defined networking, Internet-of-Things security

Seshan, Srinivasan Associate Professor – CS; Courtesy Professor – ECE (412)-268-8734 srini@cmu.edu

Keywords

Network protocols, applications, distributed systems, mobile computing, wireless networks

Shah, Nihar Assistant Professor – MLD, CSD; Courtesy Professor – ECE nihars@andrew.cmu.edu

Keywords

Modern superscalar processor design, instruction-level parallelism and code scheduling

Sieviorek, Daniel Buhl University Professor – HCII, ECE, CSD (412)-268-2570 dps@ece.cmu.edu

Keywords

Computer architecture, reliability, context aware mobile computing

Singh, Rita Courtesy Professor – ECE; Senior Systems Scientist – LTI rsingh@andrew.cmu.edu

Keywords

Networked embedded control systems, sensors/actuators networks, control theory

Sirbu, Marvin Professor – EPP; Courtesy Professor – ECE (412)-268-3436 sirbu@cmu.edu

Keywords

Telecommunications policy and economics

Sitti, Metin Professor – MechE, RI; Courtesy Professor – ECE; Affiliated Faculty – DSSC (412)-268-3632 sitti@cmu.edu
Keywords

Micro/nano-robotics, biologically inspired systems, nanotechnology, MEMS/NEMS

Skovira, Holly Senior Administrative Coordinator – ECE (412) 268-8162
hskovira@andrew.cmu.edu

Skowronski, Marek Courtesy Professor – ECE; Professor – MSE; Affiliated Faculty – DSSC (412)-268-2710
ms3s@andrew.cmu.edu

Smailagic, Asim Courtesy Professor – ECE; Research Professor – ICES; Director – LINCS (412)-268-7863
asim@ices.cmu.edu

Skowronski, Marek Courtesy Professor – ECE; Professor – MSE; Affiliated Faculty – DSSC

Mobile computing, computer architecture, system design methods, wearable computers

Smith Jr., Robert E. Senior Windows Systems Engineer – ECE (412)-268-6033
robsmith@cmu.edu

Smitley, Brandon Linux Engineer – ECE 412-268-5716
bsmitley@andrew.cmu.edu

Smolay, Alex Professor – MLD; Courtesy Professor – ECE (408) 759-1044
smola@andrew.cmu.edu

Snizaski, Nathan Ph.D. Academic Program Advisor – ECE 412-268-3200
nsnizask@andrew.cmu.edu

Sokalski, Vincent Assistant Research Professor – MSE; Affiliated Faculty – DSSC (412)-268-8628
vsokalsk@andrew.cmu.edu

Song, Dawn Adjunct Professor – ECE xds@andrew.cmu.edu

Sreenath, Koushil Courtesy Professor – ECE; Assistant Professor – RI koushils@andrew.cmu.edu

Stancil, Daniel Adjunct Professor – ECE ddstancil@ncsu.edu

Wireless communications, nanophotonics, spin wave devices

Steenkiste, Peter Professor – ECE, CS (412)-268-3261
prs@cs.cmu.edu

Computer networks, distributed systems, pervasive computing

Stern, Richard Professor – ECE, LTI, CSD, BME; Lecturer – Music (412)-268-2535
rms@ece.cmu.edu
Keywords
Automatic speech recognition, auditory perception, signal processing
Stevens, Dave Facilities Assistant – ECE 412-268-2470
daves@andrew.cmu.edu
Stevenson, Kayleigh Finance and Business Associate – ECE (412)-268-8745
kayleigh@ece.cmu.edu
Strojwas, Andrzej Keithley Professor – ECE (412)-268-3530
ajs@ece.cmu.edu

Keywords
Statistically based CAD/CAM of VLSI circuits
Sullivan, Tom Associate Teaching Professor – ECE; Lecturer – Music (412)-268-3351
tms@ece.cmu.edu

Keywords
Audio signal processing, music and sound recording applications
Sundar, Vignesh Post Doctoral Research Associate – DSSC
vigneshs@andrew.cmu.edu

Keywords
Network security; Wireless networking
Talukdar, Sarosh Professor Emeritus – ECE (412)-268-8778
talukdar@ece.cmu.edu

Keywords
Autonomous agents, distributed control, power systems, cascading failures
Tang, Xiaoying Adjunct Professor – ECE txiaoyin@ece.cmu.edu
Taylor, Rebecca Courtesy Professor – ECE; Assistant Professor – MechE bex@andrew.cmu.edu
Tayur, Sridhar Courtesy Professor – ECE; Professor – Tepper stayur@andrew.cmu.edu
Thomas, Donald Professor Emeritus – ECE (412)-268-3545
thomas@ece.cmu.edu

T
Keywords

Computer-aided design of single chip heterogeneous multiprocessor systems

**Tims, Joshua** Systems Administrator – ECE
(412)-268-5888
jtims@ece.cmu.edu

**Tomko, Jessica** Admissions Coordinator – ECE
(412)-268-4786
jtomko@andrew.cmu.edu

**Tonguz, Ozan** Professor – ECE
(412)-268-5991
tonguz@ece.cmu.edu

Keywords

Optical networks, wireless networks and communications systems, and high-speed networking

**Towe, Elias** Professor – ECE; Albert and Ethel Grobstein Memorial Professor – MSE; Director – CNXT
(412)-268-8091
towe@cmu.edu

Keywords

Photonics, optical networks, biophotonics, sensors, quantum phenomena in optical materials.

**Veloso, Manuela** Professor – CS; Courtesy Professor – ECE
mmv@cs.cmu.edu

**Verissimo, Paulo** Adjunct Professor – ECE
pjv@di.fc.ul.pt

**Vernon, David** Teaching Faculty – ECE
+250 78 592 74 70
vernon@cmu.edu

**Vidal Alvarez, Gabriel** Post Doctoral Research Associate – ECE
gvidal@andrew.cmu.edu

**Vieira, Deb** Senior Multimedia Designer – ECE
(412)-268-5032
debraost@ece.cmu.edu

**Vinayak, Rashmi** Assistant Professor – CSD; Courtesy Professor – ECE
rvinayak@cs.cmu.edu

**Wang, Kai** Adjunct Professor – ECE
wangkai@andrew.cmu.edu

**Wasserman, Anthony** Adjunct Professor – ECE
(650)-335-2807
tonyw@cmu.edu

**Weiler, Mark** Equipment Manager, Nanofabrication Facility – ECE
mweiler@andrew.cmu.edu
Weiss, Lee  Courtesy
Professor – ECE; Research Professor – RI
lew@andrew.cmu.edu

Weldon, Jeffrey Adjunct Professor – ECE
jaweldon@hawaii.edu

Keywords
Nanoelectronics, Heterogeneous Integration, RF and Analog Integrated Circuits, Biomedical Electronics, Carbon Nanotubes, Graphene

Wen, Tianlong Post Doctoral Research Associate – Physics, DSSC
(412)-268-2319

White, Robert M Emeritus University Professor – ECE, EPP; Affiliated Faculty – DSSC
white@ece.cmu.edu

Keywords
Magnetic nanotechnology

Will, Regis Senior Systems Engineer – ECE
rwill@andrew.cmu.edu

Woodhead, Vickie Undergraduate Advisor – ECE
woodhead@ece.cmu.edu

X

Xu, Yinliang Adjunct Professor – ECE
danielxu@andrew.cmu.edu

Yagan, Osman Assistant Research Professor – ECE
(412) 268-3976
oyagan@ece.cmu.edu

Keywords
Wireless communications, network science, security, social networks, cyber-physical networks

Ydstie, B. Erik Professor – ChemE; Courtesy Professor – ECE
(412)-268-2235
ydstie@andrew.cmu.edu

Ye, Terry Adjunct Professor – ECE
(412) 268-5401
terryye@ece.cmu.edu

Yichye, Shahar Cleanroom Construction Protocol Manager – ECE
syichye@andrew.cmu.edu

Yu, Byron Associate Professor – ECE; Assistant Professor – BME
(412)-268-9658
byronyu@cmu.edu
Keywords

Neural signal processing, machine learning approaches in neuroscience, neural prosthetic systems

**Yu, Zhiyi** Adjunct Professor – ECE  
email: zhiyiu@andrew.cmu.edu

Keywords

Multi-core processors, Network-on-chip, Digital VLSI

**Zhang, Hui** Professor – CS; Courtesy Professor – ECE  
phone: (412)-268-8945  
email: hzhang@cs.cmu.edu

Keywords

Computer networks, internet, resource management, multimedia

**Zhang, Jia** Associate Teaching Professor – ECE  
email: jia.zhang@sv.cmu.edu

**Zhang, Joy** Adjunct Professor – ECE  
phone: (650)-335-2824  
email: joy@cs.cmu.edu

**Zhang, Pei** Associate Research Professor – ECE  
phone: (650)-335-2823  
email: peizhang@cmu.edu

Keywords

Sensor Networks, Embedded Systems

**Zhu, Jimmy** ABB  
Professor – ECE; Professor – MSE, Physics; Director – DSSC  
phone: (412)-268-8373  
email: jzhu@ece.cmu.edu

Keywords

Micromagnetics, magnetoelectronic devices, magnetic recording

**Ziccardi, Chad** Principal Systems Engineer – ECE  
phone: (412)-268-4453  
email: ziccardi@ece.cmu.edu

**Zurcher, Elaine** Systems Administrator – ECE  
phone: (412)-268-1210  
email: egadd@ece.cmu.edu