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

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

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

Amos, Rachel  Manager of Undergraduate Advising – ECE  (412)-268-3666  ramos2@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  (412)-268-2224  jimbain@ece.cmu.edu

Bandola, Judy  Administrative Coordinator – ECE  jdy@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  (412)-268-2919 Emeritus – Physics; Affiliated Faculty – DSSC  lberger@andrew.cmu.edu
Berges, Mario  Assistant  412-268-4572 Professor – CEE; Courtesy Professor – ECE  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  (412)-968-9110 Professor – ECE  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  (412)-268-2234 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
Brumley, David J  Associate Professor – CS; Director – CyLab; Professor – ECE  (412)-268-8821 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
Manager – ECE
(412)-268-5316
kgregan@ece.cmu.edu

Carley, Kathleen
Professor – ISR; Courtesy Professor – ECE
(412)-268-6016
kathleen.carley@cs.cmu.edu

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

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

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

Chase, Steven
Courtesy Professor – ECE
schase@andrew.cmu.edu

Chen, Tsuhan
Adjunct Professor – ECE
tsuhan@ece.cmu.edu

Chi, Yuejie
Adjunct Professor – ECE
yuejiec@andrew.cmu.edu

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

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

Chrsaka, 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

CAD and design of analog signal processing circuits and MEMS systems
Chamanzar, Maysam
Assistant Professor – ECE
412-268-3390
mchamanz@andrew.cmu.edu

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

Multimedia coding and streaming, computer vision, pattern recognition, computer graphics, multimodal biometrics
Chi, Yuejie
Adjunct Professor – ECE
yuejiec@andrew.cmu.edu

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

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

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

Clarke Jr., Edmund FORE Systems Professor – CS; Courtesy Professor – ECE  (412)-268-2628
edmund.clarke@cs.cmu.edu

Keywords

Hardware and software verification, automatic theorem proving, symbolic computation

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

Condezza, Filipe Post Doctoral Research Associate – ECE  fcondess@andrew.cmu.edu

Conley, Kelley Research Administrator – ECE  kelleyc@andrew.cmu.edu

Copetas, Catherine ECE/SCS Office of Engagement and Annual Giving – ECE copetas@andrew.cmu.edu

Cowen, Christina Director of Administrative Services & Office of the Department Head – ECE 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

D

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 ddecker@andrew.cmu.edu

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

Dey, Anind K. Associate Professor – HCII; 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

Du, Jian  Post Doctoral Research Associate – ECE  
(412)-268-3052  jiand@andrew.cmu.edu

Eckhardt, Dave  Courtesy  Professor – ECE; Assistant Teaching Professor – CS  
(412)-268-9531  elgersma@ece.cmu.edu

Elgersma, Steve  Senior Systems & Software Engineer – ECE  
(412)-268-3052  jiand@andrew.cmu.edu

Erdogmus, Hakan  Associate Teaching Professor – ECE  
(412)-268-9531  hakan.erdogmus@sv.cmu.edu

Faloutsos, Christos  Professor – CS; Courtesy Professor – ECE  
(412)-268-1457  christos@cs.cmu.edu

Keywords
Databases, data mining, multimedia indexing, performance evaluation

Falsafi, Babak  Adjunct  Professor – ECE, CS  
(412)-268-1457  babak.falsafi@epfl.ch

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

Fanti, Giulia  Assistant Professor – ECE  
(412)-268-4745  gfanti@andrew.cmu.edu

Fassinger, Dan P.  IT Manager – ECE  
(412)-268-4745  danfas@ece.cmu.edu

Fatahalian, Kayvon  Courtesy Professor – ECE; Assistant Professor – CS  
(412)-268-1234  kayvonf@cmu.edu

Fedder, Gary  Howard M. Wilkoff Professor – ECE, RI; Co-Director – MEMS; Affiliated Faculty – DSSC  
(412)-268-8443  fedder@ece.cmu.edu
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

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

G
**Ganger, Greg** Affiliated Faculty – CSD; Jatras Professor – ECE, CSD; Director – PDL (412)-268-1297 ganger@ece.cmu.edu

**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 (412)-268-3848 ag4b@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

**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**

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

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

**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 (412)-268-3848 ag4b@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

**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**

Computer architecture, operating systems, file systems, disk arrays

**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

**Keywords**

Systems Nanotechnology, Programmable Matter, Reconfigurable Computing, Parallel Computing, Compilers, Architecture

**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

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

Keywords
Electromagnetics, electromechanics, electrohydrodynamics, microfluidics

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

Computer architecture, high-level hardware description and synthesis
Hollis, Ralph L. Research Professor – RI; Courtesy Professor – ECE
(412)-268-8264 rhollis@cs.cmu.edu

Keywords

Haptics, microassembly, dynamically stable mobile robots
Hong, Jason Courtesy Professor – ECE; Associate Professor – CS
jasonh@cs.cmu.edu

Keywords

power systems, optimization, control, energy networks, decomposition

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

Keywords

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

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

Keywords

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

Ismail, Mohammad F. Assistant Professor – ChemE, MSE; Courtesy Professor – ECE
(412)-268-8999 mohammad@andrew.cmu.edu

Jackson, Collin Adjunct Professor – ECE collin.jackson@sv.cmu.edu
Jahanian, Farnam Vice President for Research – CMU; Courtesy Professor – ECE
(412) 268-3363
farnam@andrew.cmu.edu

Jhon, Myung S. Professor – ChemE; Affiliated Faculty – DSSC
(412)-268-2233
mj3a@andrew.cmu.edu

Jia, Limin Assistant Research Professor – CyLab, INI, ECE
(412)-268-4605
liminjia@andrew.cmu.edu

Keywords
Language-based security, programming languages, logic and program verification.

Joe-Wong, Carlee Assistant Professor – ECE
650-335-2832
cjoewong@andrew.cmu.edu

Keywords
Network economics and pricing, cloud computing, mobile/edge computing

Jordan, Angel Emeritus University Professor – ECE, RI
(412)-268-2590
ajordan@cs.cmu.edu

Keywords
Robotics, Innovation, and Software Engineering, focusing on Technological Change and Technology Transfer

Joshi, Gauri Assistant Professor – ECE
gaurij@andrew.cmu.edu

Keywords
performance analysis, cloud computing, machine learning

K kanade, Takeo U.A. and Helen Whitaker Professor – CS, RI; Courtesy Professor – ECE
(412)-268-3016
tk@cs.cmu.edu

Keywords
Computer vision, autonomous systems, medical robotics

Kar, Soummya Associate Research Professor – ECE
(412)-268-8962
soummyak@andrew.cmu.edu
Keywords

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

**Kass, Leona** Director of Student and Academic Affairs – ECE  
(412)-268-2496  
lkass@andrew.cmu.edu

**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  
kim@ece.cmu.edu

Keywords

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

**Kimukin, Ibrahim** Research Associate – ECE  
(412)-268-9013  
ikimukin@andrew.cmu.edu

**Knickerbocker, Kara** Administrative Coordinator – ECE  
(412)-268-2389  
krk@andrew.cmu.edu

**Kochhar, Abhay** Research Scientist – ECE  
(412)-268-8013  
askochha@andrew.cmu.edu

**Koeske, Matt** Research Administrator – ECE  
(412)-268-7293  
koeske@ece.cmu.edu

**Kompalli, Suryaprakash** Assistant Teaching Professor – ECE  
+250 78 484 08 55  
skompall@andrew.cmu.edu

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

distributed embedded systems, survivable system architecture, dependability
Kovačević, Jelena Hamerschlag (412) 268-3299
University Professor – ECE; University Professor – BME
jelenak@cmu.edu

Keywords

Signal processing, biomedical, wavelets, frames, multiresolution, communications
Kozuch, Michael A. Adjunct mkozuch@andrew.cmu.edu
Professor – ECE
Krogh, Bruce H. Professor – ECE (412)-268-2472
krogh@ece.cmu.edu

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 (412)-268-3513
Professor – ECE; Affiliated Faculty – DSSC kryder@ece.cmu.edu

Keywords

Magnetic recording, optical recording and ferroelectric materials
Kumar, Swarun S. Assistant 412-268-1892
Professor – ECE swarun@cmu.edu
Kurpiewski, Matthew Systems (412) 268-1973
Administrator – ECE mkurp@andrew.cmu.edu

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

Keywords

Physical and chemical sensors, transducers, MEMS, magnetism, materials, thin films, data storage and RF devices
Lane, Ian R. Associate Research Ianlane@cs.cmu.edu
Professor – ECE
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

Li, Ming Adjunct Professor – ECE mingli1@andrew.cmu.edu

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

Keywords

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

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 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

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

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

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

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

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

Keywords
Computer dependability and security; information warfare; intrusion detection; system diagnosis

McCarthy, Jillian  M.S. Academic Program Advisor – ECE
(412) 268-3077
jrmccart@andrew.cmu.edu

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
(412)-268-6327
taramoe@ece.cmu.edu

Moneck, Matthew  Executive Manager, ECE Nanofabrication Facility – Nanofab; Research Scientist – DSSC
(412)-268-5430
mmoneck@andrew.cmu.edu
Morchower, Bari  Student Organizations and Activities Advisor – ECE  (412) 268-1470  bmorchow@andrew.cmu.edu

Morgan, Granger  Professor – ECE; Lord Professor – EPP  (412)-268-2672  gm5d@andrew.cmu.edu

Keywords
Technology and policy including climate change and electric power

Morris, James  Professor – CS; Courtesy Professor – ECE  (412)-609-5000  james.morris@sv.cmu.edu

Moura, José  Associate Department Head - Research & Strategic Initiatives – ECE; Philip L. and Marsha Dowd University Professor – ECE, BME; Affiliated Faculty – DSSC  (412)-268-6341  moura@ece.cmu.edu

Keywords
Communications, statistical signal/image, video, and multimedia processing, wavelet transforms

Moutis, Panayiotis  Post Doctoral Research Associate – ECE  (412) 268-7114  pmoutis@andrew.cmu.edu

Mowry, Todd  Professor – CS; Courtesy Professor – ECE; Co-Director – CALCM  (412)-268-3725  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

O'Hallaron, David  Professor – CS, ECE; Director – Intel Research Pittsburgh  (412)-268-8199  
droh@cs.cmu.edu

Keywords

Scientific computing, parallel computing, computational database systems, and virtualization  
Oliver, Megan  Academic Services Coordinator – ECE  412-268-5621  
mvoliver@andrew.cmu.edu

Ozdoganlar, O. Burak  Affiliated Faculty – DSSC; Associate Professor – MechE  (412)-268-9890  
ozdoganlar@cmu.edu
Ozdoganlar, Neslihan  M.S. Academic Program Advisor – ECE  (412)-268-6581  neslio@andrew.cmu.edu

Péraire, Cécile  Assistant Teaching Professor – ECE  cecile.peraire@sv.cmu.edu

Püschel, Markus  Adjunct Professor – ECE  (412)-268-3804  pueschel@ece.cmu.edu

**Keywords**

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

Pagliarini, Samuel  Senior Research Scientist – ECE  spagliar@ece.cmu.edu

Palko, Adam P.  Finance and Research Administrator – ECE  apalko@ece.cmu.edu

Pandey, Manish  Adjunct Faculty – ECE  mpandey@andrew.cmu.edu

Paramesh, Jeyanandh  Associate Professor – ECE  (412)-268-1290  paramesh@ece.cmu.edu

**Keywords**

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

Parno, Bryan  Associate Professor – CSD, ECE  (412) 268-2033  parno@cmu.edu

Pasareanu, Corina  Senior Research Scientist – ECE-SV  (650)-604-4767  pcorina@andrew.cmu.edu

Patterson, Carolyn  Administrative Coordinator – ECE  (412)-268-7286  carol@ece.cmu.edu

Patton, Ashley  Director of Engagement and Annual Giving – ECE  awpatton@andrew.cmu.edu

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

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

**Keywords**

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

Perrig, Adrian  Adjunct Professor – ECE; Professor – EPP, CS; Technical Director – CyLab  (412)-268-2242  adrian@ece.cmu.edu
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  
(412) 268-8745  
sphelps@andrew.cmu.edu

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

Keywords

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

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

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  
(412)-268-1558  
aplatzer@cs.cmu.edu

Keywords

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

**Popli, Nipun** Post Doctoral Research Associate – ECE  
npopli@ece.cmu.edu

**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, CS; 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
Reddy, Raj  Courtesy  Professor – ECE; Mozah Bint Nasser University Professor – CS
Reyes, Brittany  Academic Services and Student Organizations Coordinator – ECE
Ricketts, David  Adjunct Professor – ECE

Keywords
Nanoscale electronics, nanoscale devices, nonlinear dynamics, analog circuits

Risley, Mason  Process Engineer – Nanofab
Rohrer, Ronald A.  Professor Emeritus – ECE

Keywords
Electronic circuits, systems design automation

Rosvanis, James  Nanofab Technician – Nanofab
Rowe, Anthony  Associate Professor – ECE

Keywords
Embedded systems, distributed systems, sensor networks

Rutenbar, Rob A.  Adjunct Professor – ECE

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

Salvador, Paul A.  Associate Professor – MSE; Affiliated Faculty – DSSC
Sankaranarayanan, Aswin  Assistant Professor – ECE
Santhanam, Suresh  Principal Process Engineer – ECE
Satyanarayanan, Mahadev  Carnegie Professor – CS; Courtesy Professor – ECE
Savvides, Marios  Research  satya@cmu.edu
Professor – ECE; Director – CyLab  (412)-268-1142
Biometrics Center  marioss@andrew.cmu.edu

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

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

Keywords
Semiconductor devices, information
storage, optoelectronic systems

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

Scott, Stephanie  Academic Program  (650)-335-2853
Advisor – ECE  scottsm@andrew.cmu.edu

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

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

Serafin, Stephen  Senior Systems  (412)-268-5716
Engineer – ECE  ssraf@ece.cmu.edu

Seshan, Srinivasan  Associate  (412)-268-8734
Professor – CS; Courtesy Professor – ECE

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

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

Shen, John  Professor – ECE  jpsihen@cmu.edu

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

Sinopoli, Bruno Professor – MechE, ECE, RI (412)-268-9432
brunos@ece.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

Keywords

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
Smola, 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
Stern, Richard Professor – ECE, LT1, CS, BME; Lecturer – Music (412)-268-2535  rms@ece.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
Sullivan, Tom Associate Teaching Professor – ECE; Lecturer – Music (412)-268-3351  tms@ece.cmu.edu

Keywords

Wireless communications, nanophotonics, spin wave devices

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

Keywords

Computer networks, distributed systems, pervasive computing

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

Tague, Patrick  Associate Research Professor – CyLab, INI, ECE  (650)-335-2827  patrick.tague@sv.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

Tayur, Sridhar  Courtesy Professor – ECE; Professor – Tepper  412-268-3584  stayur@andrew.cmu.edu

Thomas, Donald  Professor Emeritus – ECE  (412)-268-3545  thomas@ece.cmu.edu

Keywords

Computer-aided design of single chip heterogeneous multiprocessing systems

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

Tomko, Jessica  Admissions Coordinator – ECE  (412)-268-476  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.

Treuille, Adrien  Courtesy Professor – ECE; Assistant Professor – CS  treuille@cs.cmu.edu
Ustun, Taha Selim  Assistant Teaching Professor – ECE
Keywords
Power Systems Protection, Communication in Power Networks, Distributed Generation, Microgrids and Smartgrids

Veloso, Manuela  Professor – CS; Courtesy Professor – ECE
Veríssimo, Paulo  Adjunct Professor – ECE
Veras, Richard  Post Doctoral Research Associate – ECE
Vernon, David  Teaching Faculty – ECE
Vidal Alvarez, Gabriel  Post Doctoral Research Associate – ECE
Vieira, Deb  Senior Multimedia Designer – ECE
Vinayak, Rashmi  Assistant Professor – CSD; Courtesy Professor – ECE
Wang, Kai  Adjunct Professor – ECE
Wasserman, Anthony  Adjunct Professor – ECE
Weiler, Mark  Equipment Manager, Nanofabrication Facility – ECE
Weiss, Lee  Courtesy Professor – ECE; Research Professor – RI
Weldon, Jeffrey  Associate Professor – ECE
Keywords
Nanoelectronics, Heterogeneous Integration, RF and Analog Integrated Circuits, Biomedical Electronics, Carbon Nanotubes, Graphene
Wen, Tianlong  Post Doctoral Research Associate – Physics, DSSC
White, Robert M. Emeritus University Professor – ECE, EPP; Affiliated Faculty – DSSC

Keywords

Magnetic nanotechnology

Will, Regis Senior Systems Engineer – ECE

Woodhead, Vickie Undergraduate Advisor – ECE

Xu, Yinliang Adjunct Professor – ECE

Yagan, Osman Assistant Research Professor – ECE

Keywords

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

Ydstie, B. Erik Professor – ChemE; Courtesy Professor – ECE

Ye, Terry Adjunct Professor – ECE

Yichye, Shahar Cleanroom Construction Protocol Manager – ECE

Yu, Byron Associate Professor – ECE; Assistant Professor – BME

Keywords

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

Yu, Zhiyi Adjunct Professor – ECE

Keywords

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

Zhang, Hui Professor – CS; Courtesy Professor – ECE
Keywords

Computer networks, internet, resource management, multimedia

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

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

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

Keywords

Sensor Networks, Embedded Systems

Zhu, Jimmy  ABB (412)-268-8373  jzhu@ece.cmu.edu

Professor – ECE; Professor – MSE, Physics; Director – DSSC

Keywords

Micromagnetics, magnetoelectronic devices, magnetic recording

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

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