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
Alachiotis, Nikolaos  Post Doctoral Research Associate – ECE  nalachio@ece.cmu.edu
Ambrass, Charlotte  Associate Director of Finance and Sponsored Research – ECE  (412)-268-6858  ambrass@ece.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
Anschuetz, Lou  IT Manager – ECE  (412)-268-6817  lou@ece.cmu.edu
Antaki, James  Professor – BME; Courtesy Professor – ECE  antaki@andrew.cmu.edu
Atwell, Niccole  Senior Associate Director of Engagement and Annual Giving – ECE  atwell@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  judy@ece.cmu.edu
Bandola, Judy  Administrative Coordinator – ECE  (412)-268-9745  lbauer@cmu.edu
Bauer, Lujo  Associate Professor – CyLab, ECE  (412)-268-7422  cbauerle@ece.cmu.edu
Belotti, Dave  Shop Machinist – ECE  (412)-268-6326  dbelotti@ece.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
Belotti, Dave  Shop Machinist – ECE  (412)-268-6326  dbelotti@ece.cmu.edu
Benicky, Sheryl Research Administrator – ECE
(412)-268-3729
sbenicky@ece.cmu.edu

Berger, Luc Emeritus
Professor – Physics; Affiliated Faculty – DSSC
(412)-268-2919
lberger@andrew.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

Keywords
Distributed fault-tolerant computing and computer networks

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

Blanton, Shawn Professor – ECE; Associate Director – JIE
(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

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

Brown, Timothy X Distinguished Service Professor – ECE, EPP
timxb@andrew.cmu.edu

Brumley, David J. Associate Professor – CS, ECE; Director – CyLab
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

Keywords
CAD and design of analog signal processing circuits and MEMS systems

Chamanzar, Maysam  Assistant 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

Chen, Xiaoming  Visiting Research Scholar – ECE
xchen3@andrew.cmu.edu

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

Chong, Jike  Adjunct Instructor – ECE-SV
ichong@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  Assistant Research Professor – CyLab, 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

**Collier, Zara** Academic Services Coordinator – ECE 412-268-5621 zcollier@andrew.cmu.edu

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

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

**Costa, Katie** Student Organizations and Activities Advisor – ECE (412) 268-1470 kcosta@andrew.cmu.edu

**Cowan, Christina** Executive Assistant to the Department Head and Administrative Services Manager – ECE (412)-268-3299 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, CS 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@ece.cmu.edu

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

**Demby, Lauren** Administrative Coordinator – JIE, ECE, DSSC (412)-268-2650 ldemby@ece.cmu.edu
mobile and space robotics, human-robot interaction, mechatronics, automated manufacturing

E

Echko, Michelle Finance and Business 412-268-2939
Associate – ECE mechko@andrew.cmu.edu

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

Elgersma, Steve Senior Systems & Softwre Engineer – ECE elgersma@ece.cmu.edu
Senior Systems & Software Engineer – ECE

Erdogmus, Hakan 412-268-5439
Associate Teaching Professor – ECE hakan.erdogmus@sv.cmu.edu

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

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

Keywords

Databases, data mining, multimedia indexing, performance evaluation

F

Falsafi, Babak Adjunct babak.falsafi@epfl.ch
Professor – ECE, CS

Falsafi, Babak Adjunct babak.falsafi@epfl.ch
Professor – ECE, CS

Keywords

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

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

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

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

**Fox, Toni**
Sponsored Research Assistant – CyLab

Keywords

Automatic performance tuning, digital signal processing transforms, advanced architectures

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

Keywords

Security, privacy, formal methods, and programming languages.

**Frost, Donna**
International Scholar Coordinator – ECE

Keywords

Wireless systems, multimedia compression, signal processing/compression

**Gamble, Andrew**
Laboratory Electronics Supervisor – DSSC

**Gandhi, Rajeev**
Courtesy Professor – ECE

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

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

Garba, Aminata
Assistant Teaching Professor – ECE
(412)-268-8558
aminata@ece.cmu.edu

Gellman, Andrew J. Lord
Professor – ChemE; Professor – Chemistry; Affiliated Faculty – DSSC
(412)-268-3848
ag4@andrew.cmu.edu

Ghose, Saugata
Post Doctoral Research Associate – ECE
(412)-268-9192
saugatag@andrew.cmu.edu

Gibbons, Phil
Professor – ECE
(412)-268-5890
pgibbons@andrew.cmu.edu

Gibson, Garth
Professor – CS; Courtesy Professor – ECE; Affiliated Faculty – DSSC
garth@cs.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 – CS; Courtesy Professor – ECE
(412)-268-3828
seth@cs.cmu.edu

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

Golub, Matt
Post Doctoral Research Associate – ECE
mgolub@andrew.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 – 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 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 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@ece.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

Hoffman, Steve Machine Shop
Foreman – ECE
(412)-268-2505
hoffman@ece.cmu.edu

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

Hug, Gabriela Adjunct Faculty – ECE
ghug@ece.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

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

Ilic, Marija Professor – ECE
(412)-268-9520
milic@ece.cmu.edu

Keywords

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

Ishihara, Abe Courtesy Professor – ECE
abe.ishihara@sv.cmu.edu

Islam, Mohammad F. Assistant Professor – ChemE, MSE; Courtesy Professor – ECE
(412)-268-8999
mohammad@andrew.cmu.edu
Jackson, Collin Adjunct Professor – ECE
Jahanian, Farnam Vice President for Research – CMU; Courtesy Professor – ECE
Jhon, Myung S. Professor – ChemE; Affiliated Faculty – DSSC
Jia, Limin Assistant Research Professor – CyLab, INI, ECE

Keywords

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

Jordan, Angel Emeritus University Professor – ECE, RI

Keywords

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

Kanade, Takeo U.A. and Helen Whitaker Professor – CS, RI; Courtesy Professor – ECE

Keywords

Computer vision, autonomous systems, medical robotics

Kar, Soummya Assistant Research Professor – ECE

Keywords

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

Kareis, Tomissa Research Administrator – ECE

Kass, Leona Associate Director of Student and Academic Affairs – ECE

Kelly, Shawn K. Senior Systems Scientist – ICES; Courtesy Professor – ECE

J

collin.jackson@sv.cmu.edu
(412) 268-3363
farnam@andrew.cmu.edu
(412)-268-2233
mj3a@andrew.cmu.edu
(412)-268-4605
liminjia@andrew.cmu.edu
(412)-268-2590
ajordan@cs.cmu.edu
(412)-268-3016
tk@cs.cmu.edu
(412)-268-8962
soummyak@andrew.cmu.edu
(412)-268-3863
tkareis@ece.cmu.edu
(412)-268-2496
lkass@andrew.cmu.edu
(412)-268-9999
skkelly@andrew.cmu.edu
Khosla, Pradeep K. Adjunct Professor – ECE; Chancellor – University of California, San Diego

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 (412)-268-6491
Professor – ECE

Keywords

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

Kim, Hoe Joon Post Doctoral Research Associate – ECE
hoejoonk@andrew.cmu.edu

Kimukin, Ibrahim Research Associate – ECE
ikimukin@andrew.cmu.edu

Kirby, Reenie Executive Assistant – JIE (412)-268-6579
reenie@cmu.edu

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

Koeske, Matt Research Administrator – ECE
koeske@ece.cmu.edu

Koopman, Philip Associate Professor – ECE, CS
koopman@cmu.edu

Keywords

distributed embedded systems, survivable system architecture, dependability

Kova#evi# , Jelena David Edward (412) 268-3299
Schramm Professor – ECE; Department Head – ECE; Professor – BME; Director – Center for Bioimage Informatics

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

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 University (412)-268-3513
Professor – ECE; Affiliated Faculty – DSSC

Keywords

Magnetic recording, optical recording and ferroelectric materials

Kumar, Swarun S. Assistant 412-268-1892
Professor – ECE

Kurpiewski, Matthew Systems (412) 268-1973
Administrator – ECE

Lambeth, David N. Emeritus (412)-268-3674
Professor – ECE

Keywords

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

Lane, Ian R. Assistant Research 650-335-2824
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 650-335-2824
Coordinator – ECE
diana.leathers@sv.cmu.edu

Lehman, Philip ECE/SCS Office of 650-335-2824
Engagement and Annual Giving – ECE

Li, Ming Assistant Professor – JIE; Adjunct (412) 268-7750
Professor – ECE

Li, Xin Associate Professor – ECE (412)-268-6507
Keywords
Integrated circuits, computer-aided design

Li-Hagerty, Lorraine  
Business Program Manager – JIE  
(412) 268-1099  
lahagerty@cmu.edu

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

Liu, Zhaojun  
Assistant Professor – JIE; Visiting Professor – ECE  
(412)-268-7159  
zhaojun@ece.cmu.edu

Lloyd, Asia  
Senior Administrative Coordinator – ECE  
(412)-268-4632  
aslloyd@ece.cmu.edu

Low, Tze Meng  
Systems Scientist – ECE  
(412) 268-5663  
lowt@andrew.cmu.edu

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

Lynch, Aydaen  
Senior Systems & Software Engineer – ECE  
(412)-268-5818  
alynch@ece.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

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

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

Keywords
Computer-aided design and manufacturing of VLSICs

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.

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

VLSI/computer architecture, energy aware computing, CAD for integrated systems
Martins, Rolando Post Doctoral Research Associate – ECE
(412)-268-2476
martinsr@ece.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
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 Associate Research Professor – ECE
ole.mengshoel@sv.cmu.edu

Miskov-Zivanov, Natasa Adjunct Faculty – ECE
(412)-268-9873
nmiskov@andrew.cmu.edu

Moe, Tara Associate 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

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 (412) 268-7114
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 Affiliated Faculty – ECE lhmoya@andrew.cmu.edu
Mukherjee, Tamal Professor – ECE (412)-268-8522 tamal@ece.cmu.edu

Keywords

Analog/RF/MEMS/biofluidic microsystem design

Mutlu, Onur Associate (412)-268-1186 onur@cmu.edu
Professor – ECE, CS

Keywords

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

N

Nace, Bill Associate Teaching (412)-268-7027
Professor – ECE 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

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

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

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

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

Péraire, Cécile Assistant Teaching Professor – ECE

Püschel, Markus Adjunct Professor – ECE

Keywords

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

Pagliarini, Samuel Post Doctoral Research Associate – ECE

Palko, Adam P. Finance and Research Administrator – ECE

Paramesh, Jeyanandh Associate Professor – ECE

Keywords

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

Patterson, Carol Administrative Coordinator – ECE

16
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.

Peters, Janet M  Manager of Undergraduate Advising – ECE  (412)-268-3666  impeters@andrew.cmu.edu

Phelps, Shelley  Senior Administrative Coordinator – ECE  (412)-268-8162  sphelps@ece.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

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

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

Reif, Brian Temporary Employee - Engagement and Annual Giving – ECE
breif@andrew.cmu.edu

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

Keywords
Nanoscale electronics, nanoscale devices, nonlinear dynamics, analog circuits
Rohde, Gustavo K. Associate Professor – BME; Courtesy Professor – ECE
gustavor@andrew.cmu.edu

Rohrer, Ronald A. Emeritus Professor – 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 Professor – ECE
(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

Rybski, Paul E. Systems Scientist – RI; Adjunct Professor – ECE  (412)-268-7417

prybski@cs.cmu.edu

Keywords

Human/robot interaction, mobile robotics

S

Salvador, Paul A. Associate Professor – MSE; Affiliated Faculty – DSSC  (412)-268-2702

paul7@andrew.cmu.edu

Sankaranarayanan, Aswin Assistant Professor – ECE  (412)-268-1087

saswin@ece.cmu.edu

Santhanam, Suresh Process Engineer – ECE  (412)-268-2026

ss9s@andrew.cmu.edu

Santos, Augusto Post Doctoral Research Associate – ECE  (412)-268-9499

augustos@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

Scott, Stephanie Academic Program Advisor – ECE  (650)-335-2853

scottsm@andrew.cmu.edu

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

Keywords

Human/robot interaction, mobile robotics
Serafin, Stephen
Senior Systems Engineer – ECE
(412)-268-5716
sserafin@ece.cmu.edu

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

Shaw, David
Post Doctoral Research Associate – ECE
(412)-268-7114
dashaw@ece.cmu.edu

Shen, John
Professor – ECE
jipshen@cmu.edu

Siewiorek, Daniel
Buhl University Professor – ECE, CS; Director – HCII
(412)-268-2570
dps@ece.cmu.edu

Singh, Bob
Adjunct Instructor – ECE-SV
bob.singh@west.cmu.edu

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

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

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

Skowronski, Marek  Courtesy (412)-268-2710
Professor – ECE; Professor – MSE; Affiliated Faculty – DSSC

Smailagic, Asim  Courtesy (412)-268-7863
Professor – ECE; Research Professor – ICES; Director – LINCS

Keywords

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

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

Smola, Alex  Professor – MLD; Courtesy Professor – ECE

Snizaski, Nathan  Ph.D. Academic Program Advisor – ECE 412-268-3200

Sokalski, Vincent  Assistant Research Professor – MSE; Affiliated Faculty – DSSC

Song, Dawn  Adjunct Professor – ECE

Sreenath, Koushil  Courtesy Professor – ECE; Assistant Professor – RI

Stancil, Daniel  Adjunct Professor – ECE

Keywords

Wireless communications, nanophotonics, spin wave devices

Steenkiste, Peter  Professor – ECE, CS (412)-268-3261

Keywords

Computer networks, distributed systems, pervasive computing

Stern, Richard  Professor – ECE, LTI, CS, BME; Lecturer – Music

Keywords

Automatic speech recognition, auditory perception, signal processing

Stevens, Dave  Facilities Assistant – ECE 412-268-2470
Stevenson, Kayleigh  
Finance and Business Assistant – ECE  
daves@andrew.cmu.edu  
(412)-268-8745  
kayleigh@ece.cmu.edu

Strojwas, Andrzej  
Keithley Professor – ECE  
ajs@ece.cmu.edu  
(412)-268-3530

Stevenson, Kayleigh
Finance and Business Assistant – ECE
daves@andrew.cmu.edu
(412)-268-8745
kayleigh@ece.cmu.edu

Strojwas, Andrzej
Keithley Professor – ECE
ajs@ece.cmu.edu
(412)-268-3530

**Keywords**

Statistically based CAD/CAM of VLSI circuits

**Sullivan, Tom**
Associate Teaching Professor – ECE; Lecturer – Music

Keywords

Audio signal processing, music and sound recording applications

Sundar, Vignesh
Post Doctoral Research Associate – DSSC

T

Tague, Patrick
Associate Research Professor – CyLab, INI, ECE

Keywords

Network security; Wireless networking

Talukdar, Sarosh
Emeritus Professor – ECE
talukdar@ece.cmu.edu
(412)-268-8778

Keywords

Autonomous agents, distributed control, power systems, cascading failures

Tang, Xiaoying
Adjunct Professor – ECE; Assistant Professor – JIE
txiaoyin@ece.cmu.edu
(412)-268-5244

Keywords

Computer-aided design of single chip heterogeneous multiprocessing systems

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

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

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

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

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

Treuille, Adrien Courtesy Professor – ECE; Assistant Professor – CS

U

Ustun, Taha Selim Assistant Teaching Professor – ECE

Keywords
Power Systems Protection, Communication in Power Networks, Distributed Generation, Microgrids and Smartgrids

V

Vaclav, Robyn Temporary Employee Services - Sponsored Research Administration – ECE

Vadnais, Olivia Administrative Coordinator – ECE

Veloso, Manuela Professor – CS; Courtesy Professor – ECE

Verissimo, Paulo Adjunct Professor – ECE

Vidal Alvarez, Gabriel Post Doctoral Research Associate – ECE

Vieira, Deb Senior Multimedia Designer – ECE

W

Wang, Kai Assistant Professor – JIE; Adjunct Professor – ECE

Wang, Yao Post Doctoral Research Associate – ECE

Wasserman, Anthony Adjunct Professor – ECE
Weiler, Mark Equipment Manager, Nanofabrication Facility – ECE  
mweiler@andrew.cmu.edu

Weiss, LeeCourtesy Professor – ECE; Research Professor – RI  
lew@andrew.cmu.edu

Weldon, Jeffrey Assistant Professor – ECE  
(412)-268-6940  
jweldon@ece.cmu.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

Wing, Jeannette M President’s Professor – CS; Courtesy Professor – ECE  
(412)-268-3068  
wing@cs.cmu.edu

Keywords
Specification, verification, reliability, security, distributed systems, software engineering, programming languages

Woodhead, Vickie Undergraduate Advisor – ECE  
(412) 268-4425  
woodhead@ece.cmu.edu

Wright, Brittany Temporary Employee Services - Academic Services Center – ECE  
bwright1@andrew.cmu.edu

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

Yagan, Osman Assistant Research Professor – ECE  
oyagan@ece.cmu.edu

Keywords

Yankasky, Shauntae Academic Advising Support – ECE  
scyank@andrew.cmu.edu
Ydstie, B.  
Erik Professor – ChemE; Courtesy Professor – ECE  
Ye, Terry Adjunct Professor – ECE; Associate Professor – JIE  
Yu, Zhiyi Adjunct Professor – ECE; Associate Professor – JIE

Keywords

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

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

Keywords

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

Z

Zhang, Jun Assistant Professor – JIE; Visiting Professor – ECE

Zhang, Jia Associate Teaching Professor – ECE

Zhang, Joy Adjunct Professor – ECE

Zhang, Pei Associate Research Professor – ECE

Keywords

Sensor Networks, Embedded Systems

Zhang, Hui Professor – CS; Courtesy Professor – ECE

Keywords

Computer networks, internet, resource management, multimedia

Zhu, Jimmy Co-Director – JIE; ABB 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