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

Bandola, Judy  Administrative Coordinator – ECE  (412)-268-2224
judy@ece.cmu.edu

Bauer, Lujo  Associate Professor – CyLab, 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

Belotti, Dave  Shop Machinist – ECE  (412)-268-6326
dbelotti@ece.cmu.edu
Benicky, Sheryl  Senior Sponsored Research Assistant – 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  (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 Manager – ECE  (412)-268-5316  kgregan@ece.cmu.edu
Carley, Kathleen
Professor – ISR; Courtesy Professor – ECE
kathleen.carley@cs.cmu.edu
(412)-268-6016

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

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

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

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

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

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

Keywords

Chong, Jike
Adjunct Instructor – ECE-SV
jchong@andrew.cmu.edu
(412)-268-2495

Keywords

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

Keywords

Chraska, Jacqueline
Administrative Coordinator – ECE
chraska@ece.cmu.edu
(412)-268-3096

Keywords

Christin, Nicolas
Assistant Research Professor – CyLab, ECE
nicolasc@andrew.cmu.edu
(412)-268-4432
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
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

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

Eckhardt, Dave. Courtesy Professor – ECE; Assistant Teaching Professor – CS  
(412)-268-9531  
davide+receptionist@cs.cmu.edu

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

Erdogmus, Hakan. Associate Teaching Professor – ECE  
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  
babak.falsafi@epfl.ch

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

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

Keywords

Molecular beam epitaxy, scanning tunneling microscopy

Fox, Toni Sponsored Research Assistant – CyLab
(412) 268-1657
tonif@andrew.cmu.edu

Franchetti, Franz Associate Research Professor – ECE; Faculty Director of ITS – ECE
franzf@ece.cmu.edu

Keywords

Automatic performance tuning, digital signal processing transforms, advanced architectures

Furuta, Masaki Post Doctoral Research Associate – ECE
mfuruta@ece.cmu.edu

G

Gamble, Andrew Laboratory Electronics Supervisor – DSSC
(412)-268-1110
jgamble@ece.cmu.edu

Gandhi, Rajeev Courtesy Professor – ECE
(412)-268-4922
rgandhi@ece.cmu.edu

Keywords

Wireless systems, multimedia compression, signal processing/compression

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
dg4b@andrew.cmu.edu

Ghose, Saugata
Post Doctoral Research Associate – 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
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

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

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

Hug, Gabriela Adjunct Faculty – ECE

Keywords

power systems, optimization, control, energy networks, decomposition

Iannucci, Bob Director – CyLab Mobility Research Center; Distinguished Service Professor – ECE, Carnegie Mellon Silicon Valley

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

Ilic, Jovan Instructor – ECE

Ilic, Marija Professor – ECE

Keywords

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

Ishihara, Abe Courtesy Professor – ECE

Islam, Mohammad F. Assistant Professor – ChemE, MSE; Courtesy Professor – ECE

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

(412)-268-2590
ajordan@cs.cmu.edu

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

(412)-268-3016
tk@cs.cmu.edu

Keywords

Computer vision, autonomous systems, medical robotics

**Kar, Soummya** Assistant Research Professor – ECE

(412)-268-8962
soumyyak@andrew.cmu.edu

Keywords

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

**Karabasoglu, Orkun** Assistant Professor – JIE

(412)-608-5231
okarabas@andrew.cmu.edu

Keywords

Design and control optimization, machine learning, electric vehicles, smart grid, and renewable energy systems.

**Kareis, Tomissa** Research Administrator – ECE

(412)-268-3863
tkareis@ece.cmu.edu

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

(412)-268-2496
lkass@andrew.cmu.edu

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

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

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
Senior Sponsored Research Assistant – 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
Schramm Professor – ECE; Department Head – ECE; Professor – BME; Director – Center for Bioimage Informatics
(412) 268-3299
jelenak@cmu.edu

Keywords

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

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

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

Keywords

Magnetic recording, optical recording and ferroelectric materials

Kumar, Swarun Assistant Professor – ECE swarunk@andrew.cmu.edu
Kumar, Shobha Financial and Research shobhak@andrew.cmu.edu
Administrator – ECE-SV

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

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

Keywords

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

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

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

Li, Ming Assistant Professor – JIE; Adjunct (412) 268-7750
Professor – ECE mingli1@andrew.cmu.edu

Li, Xin Associate Professor – ECE (412)-268-6507 xinli@ece.cmu.edu
Li-Hagerty, Lorraine  Business Program Manager – JIE  lhagerty@cmu.edu  (412) 268-1099

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

Liu, Zhaojun  Assistant Professor – JIE  zhaojun@ece.cmu.edu  412-268-7159

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

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

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

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

Mai, Ken  Principal Systems Scientist – ECE  kenmai@ece.cmu.edu  (412)-268-8335

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

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

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

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

Keywords

Integrated circuits, computer-aided design

Digital circuit design, computer architecture, memory design, reconfigurable computing

Computer-aided design and manufacturing of VLSICs

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

**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** Affiliated Faculty – ECE
(412)-268-8522
lhmoya@andrew.cmu.edu

**Mukherjee, Tamal** Professor – ECE
(412)-268-8801
tamal@ece.cmu.edu

Keywords

Analog/RF/MEMS/biofluidic microsystem design

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

Keywords

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

**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

**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  
noh@cmu.edu

O'Hallaron, David  
Professor – CS, ECE; Director – Intel Research Pittsburgh  
droh@cs.cmu.edu

Keywords

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

Overett, Gary  
Assistant Professor – JIE  
goverett@andrew.cmu.edu

Keywords

Computer vision, robotics, autonomous driving, machine learning.

Ozdoganlar, O. Burak  
Affiliated Faculty – DSSC; Associate Professor – MechE  
ozdoganlar@cmu.edu

Ozdoganlar, Neslihan  
M.S. Academic Program Advisor – ECE  
neslio@andrew.cmu.edu

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

Püschel, Markus  
Adjunct Professor – ECE  
pueschel@ece.cmu.edu

Keywords

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

Pagliarini, Samuel  
Post Doctoral Research Associate – ECE  
spagiar@ece.cmu.edu

Palko, Adam P.  
Senior Sponsored Research Assistant – ECE  
apalko@ece.cmu.edu

Paramesh, Jeyanandh  
Associate Professor – ECE  
paramesh@ece.cmu.edu

Keywords

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

Patterson, Carol  
Administrative Coordinator – ECE  
carol@ece.cmu.edu
Patton, Ashley Director of Engagement and Annual Giving – ECE  awpatton@andrew.cmu.edu
Pavlo, Andy Courtey Professor – ECE pavlo@cs.cmu.edu
Peha, Jon Professor – EPP; Courtesy Professor – ECE 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 (412)-268-2242
Professor – ECE; Professor – EPP, CS; Technical Director – CyLab 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 (412)-268-3666
Undergraduate Advising – ECE jmpeters@andrew.cmu.edu
Phelps, Shelley Administrative (412)-268-8162
Coordinator – ECE sphelps@ece.cmu.edu

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

Keywords

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

Pileggi, Larry Tanoto Professor – ECE (412)-268-6774

Keywords

Design, implementation and modeling of electronic integrated systems

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

Platzer, Andre Assistant (412)-268-1558
Professor – CS, ECE 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 (412)-268-5087
Coordinator – ECE 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 (412)-268-8707 bhiksha@cs.cmu.edu
Professor – ECE; Associate Professor – LTI

Reddy, Raj Courtesy (412)-268-8707 reddy@cs.cmu.edu
Professor – ECE; Mozah Bint Nasser University Professor – CS

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 (412)-268-8707 gustavor@andrew.cmu.edu
Professor – BME; Courtesy Professor – ECE

Rohrer, Ronald A. Emeritus (412)-268-8707 rohrer@ece.cmu.edu
Professor – ECE

Keywords

Electronic circuits, systems design automation

Rosvanis, James Nanofab (412)-268-1375 rosvanis@andrew.cmu.edu
Technician – Nanofab

Rowe, Anthony Associate (412)-268-4856 agr@ece.cmu.edu
Professor – ECE

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

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 Services Coordinator – ECE-SV  (650)-335-2853  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 Engineer – ECE (412)-268-5716 sserafin@ece.cmu.edu
Seshan, Srinivasan Associate Professor – CS; Courtesy Professor – ECE (412)-268-8734 srini@cmu.edu

Keywords

Network protocols, applications, distributed systems, mobile computing, wireless networks
Shaw, David Post Doctoral Research Associate – ECE (412)-268-7114 dashaw@ece.cmu.edu
Shen, John Professor – ECE (412)-268-7114 japshen@cmu.edu

Keywords

Modern superscalar processor design, instruction-level parallelism and code scheduling
Siewiorek, Daniel Buhl University Professor – ECE, CS; Director – HCII (412)-268-2570 dps@ece.cmu.edu

Keywords

Computer architecture, reliability, context aware mobile computing
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

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

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

Smailagic, Asim  Courtesy 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

Smola, Alex  Professor – MLD; Courtesy Professor – ECE

Snizaski, Nathan  Ph.D. Academic Program Advisor – ECE

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

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

Keywords

Automatic speech recognition, auditory perception, signal processing

Stevens, Dave  Facilities Assistant – ECE

21
Stevenson, Kayleigh  Finance and Business Assistant – ECE  
daves@andrew.cmu.edu  
(412)-268-8745  
kayleigh@ece.cmu.edu  

Strojwas, Andzej  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  
tms@ece.cmu.edu  
(412)-268-3351  

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  
patrick.tague@sv.cmu.edu  
(650)-335-2827  

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  Assistant Professor – JIE  
txiaoyin@ece.cmu.edu  
(412)-268-3545  

Thomas, Donald  Professor – ECE  
thomas@ece.cmu.edu  

Keywords

Computer-aided design of single chip heterogeneous multiprocessing systems  

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

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

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

W

Vidal Alvarez, Gabriel Post Doctoral Research Associate – 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, Lee Courtesy
lew@andrew.cmu.edu
Professor – ECE; Research Professor – RI

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

Weng, Paul Assistant
paweng@cmu.edu
Professor – JIE; Visiting Professor – ECE

Keywords
Algorithmic Decision theory; Multiobjective optimization; Machine learning.

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

Keywords
Magnetic nanotechnology

Will, Regis Senior Systems Engineer – ECE
(412)-268-3126
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

X

Xu, Yinliang Assistant Professor – JIE
danielxu@andrew.cmu.edu

Y

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

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

Yankasky, Shauntae Academic Advising Support – ECE (412)-268-6581 scyank@andrew.cmu.edu

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

Ye, Terry Associate Professor – JIE terrype@ece.cmu.edu

Yu, Zhiyi Associate Professor – JIE; Visiting Professor – ECE zhiyiyu@andrew.cmu.edu

Keywords

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

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

Z

Zayas, Jeff Technical Academic Services Coordinator – ECE (412)-268-6595 jazayas@ece.cmu.edu

Zhang, Jun Assistant Professor – JIE junz2@ece.cmu.edu

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

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

Keywords

Computer networks, internet, resource management, multimedia
Zhu, Jingxi  Assistant Professor – JIE  (412) 268-4018 secondary  jingxiz@andrew.cmu.edu

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

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