Agarwal, Yuvraj
Professor – ECE; Assistant Professor – CS
(412) 268-7328
yuvraja@andrew.cmu.edu

Alacce, John
Systems
Administrator – ECE
(412)-268-6649
jalacce@ece.cmu.edu

Alvarez, Renee
Senior Administrative Assistant – ECE
RCALVARE@andrew.cmu.edu

Ambrass, Charlotte
Director of Finance and Sponsored Research – ECE
(412)-268-6858
ambrass@ece.cmu.edu

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

Amvrosiadis, George
Assistant Research Professor – ECE
gamvrosi@andrew.cmu.edu

Andersen, David
Adjunct Professor – ECE
dga2@andrew.cmu.edu

Anna, Shelley L.
Associate Professor – MechE; Affiliated Faculty – DSSC
sanna@andrew.cmu.edu

Ausavarungnirun, Rachata
Post Doctoral Research Associate – ECE
rausavar@andrew.cmu.edu

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

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

Bauer, Lujo
Associate Professor – ISR, ECE
(412)-268-9745
lbauer@cmu.edu

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

Keywords
Thin-film magnetic device design, fabrication, and testing; magnetic disk and tape recording

Balram, Nikhil
Adjunct Professor – ECE

Bandola, Judy
Administrative Coordinator – ECE

Bauer, Lujo
Associate Professor – ISR, ECE

Bauerle, Claire E.
Administrative Coordinator – ECE

Beckmann, Nathan
Courtesy Professor – ECE; Assistant Professor – CSD
Berger, Luc Professor Emeritus – Physics; Affiliated Faculty – DSSC
Berges, Mario Assistant Professor – CEE; Courtesy Professor – ECE
Bhagavatula, Vijayakumar U.A. and Helen Whitaker Professor – ECE; Affiliated Faculty – DSSC; Associate Dean of Faculty and Graduate Affairs – CIT

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

Bianchini, Ronald Adjunct Professor – ECE

Keywords
Distributed fault-tolerant computing and computer networks

Bintrim, Grace Administrative Coordinator – ECE

Keywords
Test and diagnosis of heterogeneous, integrated systems

Bollapragada, Vara Post Doctoral Research Associate – ECE

Brown, Timothy X Distinguished Service Professor – EPP, ECE

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

Bryant, Randal Professor – CS; Courtesy Professor – ECE

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
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

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

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

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

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

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

Chomas, Louis
Research Associate – DSSC; Cleanroom/MEMS Engineer – ECE
lchomas@andrew.cmu.edu

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

Choi, Yuejie
Associate Professor – ECE
yuejiec@andrew.cmu.edu

Chomos, Louis
Research 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

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

Keywords

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

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

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

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

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

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

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

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 (412)-268-8157 ddecker@andrew.cmu.edu

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

Dey, Anind K. Associate Professor – 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 jian0@andrew.cmu.edu

Eckhardt, Dave Courtesy Professor – ECE; Assistant Teaching Professor – CS davide+receptionist@cs.cmu.edu

Elgersma, Steve Senior Systems & Software Engineer – ECE (412)-268-9531 elgersma@ece.cmu.edu

Erdogmus, Hakan Associate Teaching Professor – ECE hakan.erdogmus@sv.cmu.edu

Ervin, Allison Administrative Coordinator – ECE 412-268-5859 aervin@andrew.cmu.edu

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

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

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

(412)-268-6961
feenstra@andrew.cmu.edu

(412) 268-4632
sferris@andrew.cmu.edu

(412) 268-1657
tonif@andrew.cmu.edu

(412)-268-8297
franzf@ece.cmu.edu

(412) 268-3992
mfredrik@andrew.cmu.edu

(412)-268-1110
jgamble@ece.cmu.edu
**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

**Gkioulekas, Ioannis**  
Courtesy  
Professor – ECE; Assistant Professor – RI  
(412)-268-9833  
igkioule@andrew.cmu.edu

**Gligor, Virgil**  
Professor – ECE; Co-Director – CyLab  
(412)-268-3828  
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  
ggottron@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

**Garba, Aminata** Assistant Teaching  
Professor – ECE  
aminata@ece.cmu.edu

**Geiger, Kristen** Senior Research  
Administrator – ECE  
ksgeiger@andrew.cmu.edu

**Gellman, Andrew J. Lord**  
Professor – ChemE; Professor – Chemistry; Affiliated  
Faculty – DSSC  
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

**Gkioulekas, Ioannis**  
Courtesy  
Professor – ECE; Assistant Professor – RI  
(412)-268-9833  
igkioule@andrew.cmu.edu

**Gligor, Virgil**  
Professor – ECE; Co-Director – CyLab  
(412)-268-3828  
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  
ggottron@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

**Gkioulekas, Ioannis**  
Courtesy  
Professor – ECE; Assistant Professor – RI  
(412)-268-9833  
igkioule@andrew.cmu.edu

**Gligor, Virgil**  
Professor – ECE; Co-Director – CyLab  
(412)-268-3828  
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  
ggottron@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

**Griss, Martin L.** Adjunct Professor – ECE

**Grover, Pulkit** Assistant Professor – ECE

**Grupe, Alan** Senior Facilities Manager – ECE

**Harchol-Balter, Mor** Associate Professor – CS; Courtesy Professor – ECE

Keywords

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

**Harding, Meighan** Senior Director of Operations – ECE

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

**Higgs III, Fred** Professor – MechE; Courtesy Professor – ECE

Keywords

Tribology, nanomanufacturing, multi-scale particle flows

**Hills, Alex** Distinguished Service Professor – EPP; Courtesy Professor – ECE

Keywords

Research in wireless technology and telecommunications policy

**Hilton, Chad** Senior Systems & Software Engineer – ECE

**Hoburg, James** Emeritus Faculty – ECE
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, Distinguished Service Professor – Carnegie Mellon Silicon Valley, ECE; Director – CyLab Mobility Research Center
(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

Ilic, Marija, Professor Emeritus – ECE
milic@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
Jahanian, Farnam  Vice President for Research – CMU; Courtesy Professor – ECE
Jayan, B. Reeja  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.

Joe-Wong, Carlee  Assistant Professor – ECE

Keywords

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

Johnson, Aaron  Courtesy Professor – ECE, RI; Assistant Professor – MechE

Jordan, Angel  Emeritus University Professor – ECE, RI

Keywords

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

Joshi, Gauri  Assistant Professor – ECE

Keywords

Performance analysis, cloud computing, machine learning

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

Keywords

K

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

Keywords

K

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

Keywords

K

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

Keywords

K

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

Keywords

K
Keywords

Computer vision, autonomous systems, medical robotics
Kar, Soummya Associate Professor – ECE (412)-268-8962

Keywords

Distributed Information Processing, Multi-Agent Decision Making, Adaptive Stochastic Systems
Kass, Leona Director of Student and Academic Affairs – ECE (412)-268-2496

Kavcic, Aleksandar Adjunct Faculty – ECE akavcic@andrew.cmu.edu
Kelly, Shawn K. Courtesy Professor – ECE; Senior Systems Scientist – ICES skkelley@andrew.cmu.edu

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

Keywords

agent-based design and control, S/W engineering for real-time systems, distributed robotics, distributed information systems, Secure Embedded Software/Systems, Sensor Networks
Kim, Hyong Drew D. Perkins Professor – ECE (412)-268-6491

Keywords

Advanced switch and network architectures, fault-tolerant network architectures, network management and control
Kimukin, Ibrahim Research Associate – ECE (412)-268-9013

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

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

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

Koeske, Matt Research Administrator – ECE (412)-268-7293
Kompalli, Suryaprakash  Assistant Teaching Professor – ECE  koeske@ece.cmu.edu  
+250 78 484 08 55  
Koopman, Philip  Associate Professor – ECE, CS  skompall@andrew.cmu.edu  
(412)-268-5225  
Kovačević, Jelena  University Professor – ECE; University Professor – BME  jelenak@cmu.edu  
(412) 268-3299  
Kozuch, Michael A.  Adjunct Professor – ECE  mkozuch@andrew.cmu.edu  
Krogh, Bruce H.  Professor – ECE  krogh@ece.cmu.edu  
(412)-268-2472  
Kryder, Mark  Emeritus University Professor – ECE; Affiliated Faculty – DSSC  kryder@ece.cmu.edu  
(412)-268-3513  
Lambeth, David N.  Emeritus – ECE  lambeth@ece.cmu.edu  
(412)-268-3674  

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

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

Keywords  
Synthesis and verification of embedded control software, distributed control strategies, distributed supervisory control, information and control in wireless sensor networks, discrete event and hybrid dynamic systems  
Kryder, Mark  Emeritus University Professor – ECE; Affiliated Faculty – DSSC  kryder@ece.cmu.edu  
(412)-268-3513  

Keywords  
Magnetic recording, optical recording and ferroelectric materials  
Kumar, Swarun S.  Assistant Professor – ECE  swarun@cmu.edu  
(412)-268-1892  
Kurpiewski, Matthew  Systems Administrator – ECE  mkurp@andrew.cmu.edu  
(412) 268-1973  
Lambeth, David N.  Professor Emeritus – ECE  lambeth@ece.cmu.edu  
(412)-268-3674
Keywords

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

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

Keywords

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

Leathers, Diana Administrative Coordinator – ECE
diana.leathers@sv.cmu.edu

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

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

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

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

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

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

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

M

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

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

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

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

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

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

Marculescu, Radu Kav##i##-Moura Professor of Electrical & Computer Engineering – ECE
(412)-268-8710
radum@ece.cmu.edu

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

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

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  (412)-268-9873
Moe, Tara  Director of Graduate Affairs – ECE  (412)-268-6327
Moe, Tara  Director of Graduate Affairs – ECE  taramoe@ece.cmu.edu
Mohimani, Hosein  Courtesy Professor – ECE; Assistant Professor – CBD  hoseinm@andrew.cmu.edu
Moneck, Matthew  Executive Manager, ECE Nanofabrication Facility – Nanofab; Research Scientist – DSSC  (412)-268-5430
Morchower, Bari  Student Organizations and Activities Advisor – ECE  (412) 268-1470
Morris, James  Professor – CS; Courtesy Professor – ECE  (412)-609-5000
Moura, Jose  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
Mowry, Todd  Professor – CS; Courtesy Professor – ECE; Co-Director – CALCM  (412)-268-3725
tcm@cs.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, Jose  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
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
Mukherjee, Tamal Professor – ECE

Keywords

Analog/RF/MEMS/biofluidic microsystem design

Mutlu, Onur Adjunct Professor – ECE

Keywords

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

N

Nace, Bill Associate Teaching Professor – ECE

Keywords

Digital Design, Embedded Systems, Networks

Narasimhan, Priya Professor – ECE

Keywords

fault tolerance, distributed systems, embedded systems, mobile systems

Narasimhan, Srinivasa Associate Professor – RI; Courtesy Professor – ECE

Keywords

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

Negi, Rohit Professor – ECE; Affiliated Faculty – DSSC

Keywords

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

Nguyen, Kimmy Event and Project Coordinator – ECE
Noel, Margaret  Associate Director of Alumni Relations and Annual Giving – ECE  412-268-7202
mnoel@andrew.cmu.edu

Noh, Hae Young  Assistant Professor – CEE; Courtesy Professor – ECE
noh@cmu.edu

O'Hallaron, David  Professor – CS, ECE; Courtesy Professor – Intel Research Pittsburgh
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  Associate 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
spagiar@ece.cmu.edu

Palko, Adam P.  Finance and Research Administrator – ECE  (412)-268-2188
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 – ECE, CSD  (412) 268-2033
Pasareanu, Corina  Senior Research Scientist – ECE-SV  parno@cmu.edu  (650)-604-4767

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

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

Pehe, 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

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

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

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

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

Keywords

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

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

Keywords

Design, implementation and modeling of electronic integrated systems

Pileggi, Leah  Professional Writer – ECE; Professional Assistant – ECE  leahp1@andrew.cmu.edu
**Platzer, Andre** Assistant Professor – CSD; Associate Professor – ECE

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

**Prelich-Knight, Lyz** Academic Services Coordinator – ECE

(412)-268-5087
lyz@ece.cmu.edu

**Racko, Angela** Finance and Business Associate – ECE

412-268-5382
amracko@andrew.cmu.edu

**Rajkumar, Raj** Professor – ECE, CSD; Co-Director – GM-CM CRL; Director – Real-Time and Multimedia Systems Laboratory

(412)-268-8707
raj@ece.cmu.edu

Keywords
Embedded and real-time systems

**Ramakrishnan, Bhiksha Raj** Courtesy Professor – ECE; Associate Professor – LTI

bhiksha@cs.cmu.edu

**Ramsey, Erika** Temporary Employee Services - Finance and Business Associate – ECE

eramsey@andrew.cmu.edu

**Reddy, Raj** Courtesy Professor – ECE; Mozah Bint Nasser University Professor – CS

reddy@cs.cmu.edu

**Rengarajan, Vijay** Post Doctoral Research Associate – ECE

vangarai@andrew.cmu.edu

**Reyes, Brittany** Academic Services and Student Organizations Coordinator – ECE

bjreyes@andrew.cmu.edu

**Ricketts, David** Adjunct Professor – ECE

ricketts@ece.cmu.edu

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

**Risley, Mason** Process Engineer – Nanofab

mrisley@andrew.cmu.edu

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

rohrer@ece.cmu.edu
Keywords

Electronic circuits, systems design automation
Rosvanis, James Nanofab Technician – Nanofab (412)-268-1375
rosvanis@andrew.cmu.edu

Rowe, Anthony Associate 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

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

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

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

Keywords

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

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

Keywords

Semiconductor devices, information storage, optoelectronic systems
Schneider, Jeff Research Professor – RI; Courtesy Professor – ECE jeff4@andrew.cmu.edu

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

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

Seshan, Srinivasan Associate Professor – CS; Courtesy Professor – ECE
srini@cmu.edu

Keywords

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

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

Keywords

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

Siepiorek, Daniel Buhl University Professor – HCII, ECE, CSD
dps@ece.cmu.edu

Keywords

Computer architecture, reliability, context aware mobile computing

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

Keywords

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

Sirbu, Marvin Professor – EPP; Courtesy Professor – ECE
sirbu@cmu.edu

Keywords

Telecommunications policy and economics

Sitti, Metin Professor – MechE, RI; Courtesy Professor – ECE; Affiliated Faculty – DSSC
sitti@cmu.edu
Keywords

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

Skovira, Holly  Senior Administrative Coordinator – ECE

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

Smitley, Brandon  Linux 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

Keywords

Wireless communications, nanophotonics, spin wave devices

Steenkiste, Peter  Professor – ECE, CS

Stem., Richard  Professor – ECE, LTI, CSD, BME; Lecturer – Music

Keywords

Computer networks, distributed systems, pervasive computing

Stern, Richard  Professor – ECE, LTI, CSD, BME; Lecturer – Music
Keywords

Automatic speech recognition, auditory perception, signal processing

Stevens, Dave  Facilities Assistant – ECE  412-268-2470  daves@andrew.cmu.edu

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

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

Keywords

Statistically based CAD/CAM of VLSI circuits

Sullivan, Tom  Associate Teaching Professor – ECE; Lecturer – Music  (412)-268-3351  tms@ece.cmu.edu

Keywords

Audio signal processing, music and sound recording applications

Sundar, Vignesh  Post Doctoral Research Associate – DSSC  vignesh@andrew.cmu.edu

T

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

Taylor, Rebecca  Assistant Professor – MechE; Courtesy Professor – ECE  bex@andrew.cmu.edu

Tayur, Sridhar  Courtesy Professor – ECE; Professor – Tepper  stayur@andrew.cmu.edu

Thomas, Donald  Professor Emeritus – ECE  (412)-268-3545  thomas@ece.cmu.edu
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)-268-4786 jtomko@andrew.cmu.edu

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

Keywords

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

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

Keywords

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

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

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

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

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

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

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

**Wang, Kai** Adjunct Professor – ECE wangkai@andrew.cmu.edu (650)-335-2807

**Wasserman, Anthony** Adjunct Professor – ECE tonyw@cmu.edu

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

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

Keywords

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

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

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

Keywords

Magnetic nanotechnology

Will, Regis  Senior Systems Engineer – ECE  
(412)-268-3126
rwill@andrew.cmu.edu

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

X

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

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

Keywords

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

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

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

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

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

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

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

Keywords

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

Z

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

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 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