<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Email</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agarwal, Yuvraj</td>
<td>Courtesy Professor – ECE; Assistant Professor – CS</td>
<td><a href="mailto:yuvraja@andrew.cmu.edu">yuvraja@andrew.cmu.edu</a></td>
<td>(412) 268-7328</td>
</tr>
<tr>
<td>Alacce, John</td>
<td>Systems Administrator – ECE</td>
<td><a href="mailto:jalacce@ece.cmu.edu">jalacce@ece.cmu.edu</a></td>
<td>(412)-268-6649</td>
</tr>
<tr>
<td>Ambrass, Charlotte</td>
<td>Director of Finance and Sponsored Research – ECE</td>
<td><a href="mailto:ambrass@ece.cmu.edu">ambrass@ece.cmu.edu</a></td>
<td>(412)-268-6858</td>
</tr>
<tr>
<td>Andersen, David</td>
<td>Adjunct Professor – ECE</td>
<td><a href="mailto:dga2@andrew.cmu.edu">dga2@andrew.cmu.edu</a></td>
<td>(412)-268-6492</td>
</tr>
<tr>
<td>Anna, Shelley L.</td>
<td>Associate Professor – MechE; Affiliated Faculty – DSSC</td>
<td><a href="mailto:sanna@andrew.cmu.edu">sanna@andrew.cmu.edu</a></td>
<td>(412)-268-6492</td>
</tr>
<tr>
<td>Anschuetz, Lou</td>
<td>IT Manager – ECE</td>
<td><a href="mailto:lou@ece.cmu.edu">lou@ece.cmu.edu</a></td>
<td>(412)-268-6817</td>
</tr>
<tr>
<td>Antaki, James</td>
<td>Professor – BME; Courtesy Professor – ECE</td>
<td><a href="mailto:antaki@andrew.cmu.edu">antaki@andrew.cmu.edu</a></td>
<td>(412)-268-8858</td>
</tr>
<tr>
<td>Atwell, Niccole</td>
<td>Senior Associate Director of Engagement and Annual Giving – ECE</td>
<td><a href="mailto:atwell@andrew.cmu.edu">atwell@andrew.cmu.edu</a></td>
<td>(412)-268-8858</td>
</tr>
<tr>
<td>Bain, Jim</td>
<td>Professor – ECE, MSE; Associate Director – DSSC</td>
<td><a href="mailto:jbain@ece.cmu.edu">jbain@ece.cmu.edu</a></td>
<td>(412)-268-3602</td>
</tr>
<tr>
<td>Balram, Nikhil</td>
<td>Adjunct Professor – ECE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bandola, Judy</td>
<td>Administrative Coordinator – ECE</td>
<td><a href="mailto:judy@ece.cmu.edu">judy@ece.cmu.edu</a></td>
<td>(412)-268-2224</td>
</tr>
<tr>
<td>Bauer, Lujo</td>
<td>Associate Professor – ECE, ISR</td>
<td><a href="mailto:ibauer@cmu.edu">ibauer@cmu.edu</a></td>
<td>(412)-268-9745</td>
</tr>
<tr>
<td>Bauerle, Claire E.</td>
<td>Administrative Coordinator – ECE</td>
<td><a href="mailto:cbauerle@ece.cmu.edu">cbauerle@ece.cmu.edu</a></td>
<td>(412)-268-7422</td>
</tr>
<tr>
<td>Beckmann, Nathan</td>
<td>Courtesy Professor – ECE; Assistant Professor – CSD</td>
<td><a href="mailto:beckmann@cs.cmu.edu">beckmann@cs.cmu.edu</a></td>
<td></td>
</tr>
<tr>
<td>Belotti, Dave</td>
<td>Shop Machinist – ECE</td>
<td><a href="mailto:dbelotti@ece.cmu.edu">dbelotti@ece.cmu.edu</a></td>
<td>(412)-268-6326</td>
</tr>
</tbody>
</table>
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  

Bishop, Cathy Instructor – ECE  
Blanton, Shawn Professor – ECE  

Keywords

Test and diagnosis of heterogeneous, integrated systems  

Bollapragada, Vara Post Doctoral Research Associate – ECE  
Boni, Dante Equipment Technician – Nanofab  
Bosle, Kevin Senior Buyer – ECE  
Brown, Timothy X Distinguished Service Professor – EPP, ECE  
Brumley, David J. Associate Professor – CS; Director – CyLab; Professor – ECE  
Bryant, Randal Professor – CS; Courtesy Professor – ECE  

Keywords

Formal hardware and software verification  

Burns, Krista Communications Manager – ECE  


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
412-268-3390
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

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

Chong, Jike
Adjunct Instructor – ECE-SV
jchong@andrew.cmu.edu

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

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

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

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

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

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

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

Keywords

Hardware and software verification, automatic theorem proving, symbolic computation

Collier, Zara  Technical Academic Services  412-268-6595  zcollier@andrew.cmu.edu
Coordinator – ECE

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

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

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

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  ccowan@andrew.cmu.edu

Cranor, Lorrie F.  Professor – ISR, EPP; Courtesy Professor – ECE  lorrie@cs.cmu.edu

Keywords

Usable privacy and security

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

Davis, Robert  John and Claire Bertucci Distinguished Professor – MSE; Courtesy Professor – ECE  rfd@andrew.cmu.edu

Decker, Dave  Manager of Web Development Services – ECE  ddecker@andrew.cmu.edu

De La Torre Frade, Fernando  Courtesy Professor – ECE; Research Scientist – RI  ftorre@cs.cmu.edu
Demby, Lauren Administrative Coordinator – DSSC, ECE (412)-268-2650 ldemby@ece.cmu.edu

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

Dolan, John Courtesy Professor – ECE; Senior Systems Scientist – RI jmd@cs.cmu.edu

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

Du, Jian Post Doctoral Research Associate – ECE jiand@andrew.cmu.edu

Echko, Michelle Financial Analyst – ECE 412-268-2939 mechko@andrew.cmu.edu
davide+receptionist@cs.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

Faloutsos, Christos Professor – CS; Courtesy Professor – ECE christos@cs.cmu.edu

Keywords
Databases, data mining, multimedia indexing, performance evaluation

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

Fanti, Giulia Adjunct Faculty – ECE gfanti@andrew.cmu.edu

Fassinger, Dan P. IT Manager – ECE (412)-268-4745 danfas@ece.cmu.edu
Fatahalian, Kayvon  Courtesy  Professor – ECE; Assistant Professor – CS  
(412) 268-1234  
kayvonf@cmu.edu

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

**Keywords**

Microelectromechanical systems (MEMS), RF MEMS, inertial/bio/chemical sensors, MEMS CAD, micro-robotics

Feenstra, Randy  Professor – Physics; Courtesy Professor – ECE  
(412)-268-6961  
feenstra@andrew.cmu.edu

**Keywords**

Molecular beam epitaxy, scanning tunneling microscopy

Ferris, Sherri  Administrative Coordinator – ECE  
(412) 268-4632  
sferris@andrew.cmu.edu

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

Franchetti, Franz  Associate Professor – ECE; Faculty Director of ITS – ECE  
(412)-268-8297  
franzf@ece.cmu.edu

**Keywords**

Automatic performance tuning, digital signal processing transforms, advanced architectures

Fredrikson, Matt  Assistant Professor – ISR, CS; Courtesy Professor – ECE  
(412) 268-3992  
mfredrik@andrew.cmu.edu

**Keywords**

Security, privacy, formal methods, and programming languages.

Frost, Brittany  Receptionist – CyLab  
412-268-1212  
bfrost@andrew.cmu.edu

Frost, Donna  International Scholar Coordinator – ECE  
412-268-3407  
dfrost@andrew.cmu.edu

Furuta, Masaki  Post Doctoral Research Associate – ECE  
412-268-3407  
mfuruta@ece.cmu.edu
Gamble, Andrew  Laboratory Electronics
Supervisor – DSSC  (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

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

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

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

Gellman, Andrew J.  Lord Professor – ChemE; Professor – Chemistry; Affiliated Faculty – DSSC  (412)-268-3848
ag4b@andrew.cmu.edu

Ghose, Saugata  Systems Scientist – ECE  (412)-268-9192
saugataag@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

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 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

Grupp, Alan Senior Facilities Manager – ECE

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

Harding, Meighan Senior Director of Operations – ECE

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

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

Hilton, Chad Senior Systems & Software Engineer – ECE

Hoburg, James Emeritus Faculty – ECE

Keywords

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

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

Harrington, Meighan Senior Director of Operations – ECE

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

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

Keywords

Tribology, nanomanufacturing, multi-scale particle flows

Hoburg, James Emeritus Faculty – ECE

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

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

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 – ECE (412)-268-9520 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
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.

Joe-Wong, Carlee Assistant Professor – ECE

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

Jordan, Angel Emeritus University Professor – ECE, RI

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

Joshi, Gauri Adjunct Faculty – ECE

Keywords
performance analysis, cloud computing, machine learning

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

Keywords
Computer vision, autonomous systems, medical robotics

J

Jackson, Collin

(412)-268-8999

mohammad@andrew.cmu.edu

J

Jahanian, Farnam

(412)-268-3363

farnam@andrew.cmu.edu

Jhon, Myung S.

(412)-268-2233

mj3a@andrew.cmu.edu

Jia, Limin

(412)-268-4605

liminjia@andrew.cmu.edu

Joe-Wong, Carlee

650-335-2832

cjoewong@andrew.cmu.edu

Jordan, Angel

(412)-268-2590

ajordan@cs.cmu.edu

Joshi, Gauri

gaurij@andrew.cmu.edu

K

Kanade, Takeo

(412)-268-3016

tk@cs.cmu.edu
Kar, Soummya  Associate Research Professor – ECE  (412)-268-8962  soumyyak@andrew.cmu.edu

Keywords

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

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

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

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

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

Keywords

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

Kim, Hyong  Drew D. Perkins  Professor – ECE  (412)-268-6491  kim@ece.cmu.edu

Keywords

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

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

Kirby, Reenie  Administrative Coordinator – ECE  reenie@cmu.edu

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

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

Kompalli, Suryaprakash  Assistant Teaching Professor – ECE  skompall@andrew.cmu.edu

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

distributed embedded systems, survivable system architecture, dependability

Kovačević, Jelena Hamerschlag
University Professor – ECE; University Professor – BME
(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
krogh@ece.cmu.edu

Keywords

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

Kryder, Mark Emeritus University Professor – ECE; Affiliated Faculty – DSSC
kryder@ece.cmu.edu

Keywords

Magnetic recording, optical recording and ferroelectric materials

Kumar, Swarun S. Assistant Professor – ECE
swarun@cmu.edu

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

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

Keywords

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

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

Laughlin, David ALCOA
(412)-268-2706
dl0p@andrew.cmu.edu

Keywords
Keywords

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

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

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

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

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

Keywords

Integrated circuits, computer-aided design

Li-Hagerty, Lorraine Administrative Coordinator – ECE (412) 268-1099
lhagerty@cmu.edu

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 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

Mahouski, Michelle Academic Services Coordinator – ECE mmahousk@andrew.cmu.edu

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

Keywords

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

Majetich, Sara A. Professor – Physics; Courtesy Professor – ECE; Affiliated Faculty – DSSC sm70@andrew.cmu.edu

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

Computer-aided design and manufacturing of VLSICs
Marculescu, 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 David Edward Schramm Professor – ECE; Associate Department Head for Academic Affairs – ECE (412)-268-1167
dianam@ece.cmu.edu

Keywords

VLSI/computer architecture, energy aware computing, CAD for integrated systems
Maxion, Roy Research Professor – CS; Courtesy Professor – ECE (412)-268-7556
maxion@cs.cmu.edu

Keywords

Computer dependability and security; information warfare; intrusion detection; system diagnosis
McCarthy, Jillian M.S. Academic Program Advisor – ECE (412) 268-3077
jrmccart@andrew.cmu.edu
McHenry, Michael E. Professor – MSE; Affiliated Faculty – DSSC (412)-268-2703
mm7g@andrew.cmu.edu
McKinney, Jim IT Manager – ECE (412)-268-5141
jmck@ece.cmu.edu
Mehdizadeh, Emad Post Doctoral Research Associate – ECE (412)-268-9873
emehdiza@ece.cmu.edu
Mengshoel, Ole Principal Systems Scientist – ECE ole.mengshoel@sv.cmu.edu
Miskov-Zivanov, Natasa Adjunct Faculty – ECE nmiskov@andrew.cmu.edu
Moe, Tara Director of Graduate Affairs – ECE (412)-268-6327
taramoe@ece.cmu.edu
Moneck, Matthew Executive Manager, ECE Nanofabrication Facility – Nanofab; Research Scientist – DSSC (412)-268-5430
mmoneck@andrew.cmu.edu
**Morchower, Bari** Student Organizations and Activities Advisor – ECE
(412) 268-1470
bmorchow@andrew.cmu.edu

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

**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

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

**Mowry, Todd** Professor – CS; Courtesy Professor – ECE; Co-Director – CALCM
(412)-268-3725
tcm@cs.cmu.edu

**Moya, Linda** Assistant Teaching Professor – ECE, SDS
412-268-8364
lhmoya@andrew.cmu.edu

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

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

**Keywords**

Technology and policy including climate change and electric power

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

Computer architecture, compilers, operating systems, parallel processing

Analog/RF/MEMS/biofluidic microsystem design

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

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

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

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

Noh, Hae Young
Assistant Professor – CEE; Courtesy Professor – ECE

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

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

Ozdoganlar, O. Burak
Affiliated Faculty – DSSC; Associate Professor – MechE
(412)-268-9890
ozdoganlar@cmu.edu

Ozdoganlar, Neslihan
M.S. Academic Program Advisor – ECE
(412)-268-6581
neslio@andrew.cmu.edu
Péraire, Cécile  Assistant Teaching Professor – ECE  cecile.peraire@sv.cmu.edu

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

Keywords

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

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

Palko, Adam P.  Finance and Research Administrator – ECE  (412)-268-2188  apalko@ece.cmu.edu

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

Keywords

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

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

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

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

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

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

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

Keywords

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

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

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

**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

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

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

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

**Keywords**

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

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

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

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

Keywords
Electronic circuits, systems design automation

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

Keywords
Embedded systems, distributed systems, sensor networks

Rutenbar, Rob A.  Adjunct Professor – ECE

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

Salvador, Paul A.  Associate Professor – MSE; Affiliated Faculty – DSSC
Sankaranarayanan, Aswin  Assistant Professor – ECE
Santhanam, Suresh  Principal Process Engineer – ECE
Santos, Augusto  Post Doctoral Research Associate – ECE

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

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

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

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

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

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

Shen, John Professor – ECE
Shen@andrew.cmu.edu (412)-268-5716

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

Siewiorek, Daniel Buhl University Professor – ECE, CSD; Director – HCII
Siewiorek@andrew.cmu.edu (412)-268-2570
Keywords
Computer architecture, reliability, context aware mobile computing
dps@ece.cmu.edu

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

Keywords
Networked embedded control systems, sensors/actuators networks, control theory
Sirbu, Marvin
Professor – EPP; Courtesy Professor – ECE
(412)-268-3436
sirbu@cmu.edu

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

Keywords
Micro/nano-robotics, biologically inspired systems, nanotechnology, MEMS/NEMS
Skovira, Holly
Administrative Coordinator – ECE
(412) 268-9192
hskovira@andrew.cmu.edu

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

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

Keywords
Mobile computing, computer architecture, system design methods, wearable computers
Smith Jr., Robert E.
Senior Windows Systems Engineer – ECE
(412)-268-6033
robsmith@cmu.edu

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

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

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

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  

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  

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

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  jltims@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.

Treuille, Adrien  Courtesy Professor – ECE; Assistant Professor – CS  treuille@cs.cmu.edu

Ustun, Taha Selim  Assistant Teaching Professor – ECE  +250 78 659 24 78  tahas@andrew.cmu.edu

Keywords
Power Systems Protection, Communication in Power Networks, Distributed Generation, Microgrids and Smartgrids
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 vernon@cmu.edu
Vidal Alvarez, Gabriel Post Doctoral Research Associate – ECE qvidal@andrew.cmu.edu
Vieira, Deb Senior Multimedia Designer – ECE debraost@ece.cmu.edu
Wang, Kai Adjunct Professor – ECE wangkai@andrew.cmu.edu
Wang, Yao Post Doctoral Research Associate – ECE yaowang@ece.cmu.edu
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 Associate Professor – ECE jweldon@ece.cmu.edu
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
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
Woodhead, Vickie Undergraduate Advisor – ECE (412) 268-4425

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

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, Zhiyi Adjunct 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

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, Jimmy  ABB  
Professor – ECE; Professor – MSE, Physics; Director – DSSC  
jzhu@ece.cmu.edu

Keywords

Micromagnetics, magnetoelectronic devices, magnetic recording

Ziccardi, Chad  Principal Systems  
Engineer – ECE  
ziccardi@ece.cmu.edu

Zurcher, Elaine  Systems  
Administrator – ECE  
egadd@ece.cmu.edu