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

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  (412)-268-6492  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

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 – ISR, ECE  (412)-268-9745  lbauer@cmu.edu

Keywords

Computer security, access control, program monitoring, security automata, policy specification

Bauerle, Claire E.  Administrative Coordinator – ECE  (412)-268-7422  cbauerle@ece.cmu.edu

Beckmann, Nathan  Courtesy Professor – ECE; Assistant Professor – CSD  beckmann@cs.cmu.edu
Berger, Luc  Professor 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  
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 – CSD; Director – CyLab; Professor – ECE  
Bryant, Randal  Professor – CS; Courtesy Professor – ECE  

Keywords

Formal hardware and software verification
Burns, Krista  Communications  (412)-268-5316
Manager – ECE  kgregan@ece.cmu.edu

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

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

Chamanzar, Maysam  Assistant Professor – ECE  (412)-268-3390
Keywords
Optics, Neural Interfaces, Photonic
Integrated Circuits, Plasmonics, Sensing
mchamanz@andrew.cmu.edu

Chi, Yuejie  Associate Professor – ECE  yuejiec@andrew.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
ichomas@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 Associate – ChemE, DSSC  (412)-268-4035 pil@cmu.edu

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

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

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

Eckhardt, Dave Courtesy Professor – ECE; Assistant Teaching Professor – CS
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

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

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

Keywords

Security, privacy, formal methods, and programming languages.

Frost, Brittany Senior Sponsored Research Assistant – CyLab 412-268-1212 bfredrik@andrew.cmu.edu

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

Furuta, Masaki Post Doctoral Research Associate – ECE 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  
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

Keywords

Computer architecture, operating systems, file systems, disk arrays

Gkioulekas, Ioannis  
Courtesy Professor – ECE; Assistant Professor – RI  
igkioule@andrew.cmu.edu

Gligor, Virgil  
Professor – ECE; Co-Director – CyLab  
(412)-268-9833  
virgil@andrew.cmu.edu

Goldstein, Seth  
Associate Professor – CSD; Courtesy Professor – ECE  
(412)-268-3828  
seth@cs.cmu.edu

Keywords

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

Gottron, Norman  
Process Engineer – Nanofab  
(412)-268-4205  
ngottron@andrew.cmu.edu

Greenfield, Anissa  
Manager, Sponsored Research Administration – ECE  
(412)-268-3114  
admyers@ece.cmu.edu

Greve, David  
Professor Emeritus – ECE  
(412)-268-3707  
dg07@andrew.cmu.edu
Keywords

Semiconductor device physics and semiconductor process technology, sensors

Grieco, Patricia L. Administrative Manager – DSSC
(412)-268-6429
pg1q@andrew.cmu.edu

Griss, Martin L. Adjunct Professor – ECE
(650)-335-2805
martin.griss@west.cmu.edu

Grover, Pulkit Assistant Professor – ECE
412-268-3644
pgrover@ece.cmu.edu

Grupe, Alan Senior Facilities Manager – ECE
(412)-268-2526
alan@ece.cmu.edu

Harchol-Balter, Mor Associate Professor – CS; Courtesy Professor – ECE
(412)-268-7893
harchol@andrew.cmu.edu

Keywords

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

Harding, Meighan Senior Director of Operations – ECE
(412)-268-8924
meighan.harding@ece.cmu.edu

He, Bin Courtesy Professor – ECE; Professor – BME; Department Head – BME
(412)-268-2486
higgs@andrew.cmu.edu

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

Keywords

Tribology, nanomanufacturing, multi-scale particle flows

Hills, Alex Distinguished Service Professor – EPP; Courtesy Professor – ECE
(907)-232-6088
ahills@cmu.edu

Keywords

Research in wireless technology and telecommunications policy

Hilton, Chad Senior Systems & Software Engineer – ECE
(412)-268-6037
chilton@andrew.cmu.edu

Hoburg, James Emeritus Faculty – ECE
(412)-268-2473
hoburg@ece.cmu.edu
Keywords

Electromagnetics, electromechanics, electrohydrodynamics, microfluidics

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

Keywords

Computer architecture, high-level hardware description and synthesis

Hollis, Ralph L. Research Professor – RI; Courtesy Professor – ECE
(412)-268-8264
rhollis@cs.cmu.edu

Keywords

Haptics, microassembly, dynamically stable mobile robots

Hong, Jason Courtesy Professor – ECE; Associate Professor – CS
jasonh@cs.cmu.edu

Keywords

power systems, optimization, control, energy networks, decomposition

Iannucci, Bob 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
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 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 (412)-268-6491

Professor – ECE kim@ece.cmu.edu

Keywords

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

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

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

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

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

Koeske, Matt Research Administrator – ECE askochha@andrew.cmu.edu

(412)-268-7293
Kompalli, Suryaprakash  Assistant Teaching Professor – ECE  
koeske@ece.cmu.edu  +250 78 484 08 55  

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

Keywords  
distributed embedded systems, survivable system architecture, dependability  

Kovačević, Jelena Hamerschlag  (412) 268-3299  
University Professor – ECE; University Professor – BME  
jelenak@cmu.edu  

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

Kozuch, Michael A.  Adjunct 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

Laughlin, David ALCOA (412)-268-2706
Professor – MSE; Courtesy dl0p@andrew.cmu.edu
Professor – ECE; Affiliated Faculty – DSSC

Keywords

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

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

Lehman, Philip ECE/SCS Office of Engagement and Annual Giving – ECE 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
Professor Emeritus – ECE (412)-268-6637
sm70@andrew.cmu.edu

Maly, Wojciech
Professor Emeritus – ECE
maly@ece.cmu.edu

Marculescu, Diana
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
<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mehdizadeh, Emad</td>
<td>Post Doctoral Research Associate – ECE</td>
<td><a href="mailto:emehdiza@ece.cmu.edu">emehdiza@ece.cmu.edu</a></td>
</tr>
<tr>
<td>Mengshoel, Ole</td>
<td>Principal Systems Scientist – ECE</td>
<td><a href="mailto:ole.mengshoel@sv.cmu.edu">ole.mengshoel@sv.cmu.edu</a></td>
</tr>
<tr>
<td>Metcalf, David</td>
<td>Senior Linux Engineer – ECE</td>
<td><a href="mailto:dmetcalf@andrew.cmu.edu">dmetcalf@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Miskov-Zivanov, Natasa</td>
<td>Adjunct Faculty – ECE</td>
<td>(412)-268-9873</td>
</tr>
<tr>
<td>Moe, Tara</td>
<td>Director of Graduate Affairs – ECE</td>
<td>(412)-268-6327</td>
</tr>
<tr>
<td>Mohimani, Hosein</td>
<td>Courtesy Professor – ECE; Assistant Professor – CBD</td>
<td><a href="mailto:hoseinm@andrew.cmu.edu">hoseinm@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Moneck, Matthew</td>
<td>Executive Manager, ECE Nanofabrication Facility – Nanofab; Research Scientist – DSSC</td>
<td>(412)-268-5430</td>
</tr>
<tr>
<td>Morchower, Bari</td>
<td>Student Organizations and Activities Advisor – ECE</td>
<td>(412) 268-1470</td>
</tr>
<tr>
<td>Morgan, Granger</td>
<td>Professor – ECE; Lord Professor – EPP</td>
<td>(412)-268-2672</td>
</tr>
<tr>
<td>Moura, José</td>
<td>Associate Department Head - Research &amp; Strategic Initiatives – ECE; Philip L. and Marsha Dowd University Professor – ECE, BME; Affiliated Faculty – DSSC</td>
<td>(412)-268-6341</td>
</tr>
<tr>
<td>Moutis, Panayiotis</td>
<td>Post Doctoral Research Associate – ECE</td>
<td>(412) 268-7114</td>
</tr>
<tr>
<td>Mowry, Todd</td>
<td>Professor – CS; Courtesy Professor – ECE; Co-Director – CALCM</td>
<td>(412)-268-3725</td>
</tr>
</tbody>
</table>

**Keywords**

Technology and policy including climate change and electric power

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Morris, James</td>
<td>Professor – CS; Courtesy Professor – ECE</td>
<td>(412)-609-5000</td>
</tr>
<tr>
<td>Moura, José</td>
<td>Associate Department Head - Research &amp; Strategic Initiatives – ECE; Philip L. and Marsha Dowd University Professor – ECE, BME; Affiliated Faculty – DSSC</td>
<td>(412)-268-6341</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moutis, Panayiotis</td>
<td>Post Doctoral Research Associate – ECE</td>
<td><a href="mailto:pmoutis@andrew.cmu.edu">pmoutis@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Mowry, Todd</td>
<td>Professor – CS; Courtesy Professor – ECE; Co-Director – CALCM</td>
<td><a href="mailto:tcm@cs.cmu.edu">tcm@cs.cmu.edu</a></td>
</tr>
</tbody>
</table>
Keywords

Computer architecture, compilers, operating systems, parallel processing

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

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

Keywords

Analog/RF/MEMS/biofluidic microsystem design

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

Keywords

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

N

Nace, Bill  Associate Teaching Professor – ECE
(412)-268-7027
wnace@cmu.edu

Keywords

Digital Design, Embedded Systems, Networks

Narasimhan, Priya  Professor – ECE
(412)-268-8801
priya@cs.cmu.edu

Keywords

fault tolerance, distributed systems, embedded systems, mobile systems

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

Keywords

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

Negi, Rohit  Professor – ECE; Affiliated Faculty – DSSC
(412)-268-6264
negi@ece.cmu.edu

Keywords

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

Nguyen, Kimmy  Event and Project Coordinator – ECE
(412) 268-7138
myn@andrew.cmu.edu
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; Director – Intel Research Pittsburgh  (412)-268-8199  droh@cs.cmu.edu

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

Oliver, Megan  Academic Services Coordinator – ECE  412-268-5621  mvoliver@andrew.cmu.edu

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

Ozdoganlar, Neslihan  M.S. Academic Program Advisor – ECE  (412)-268-6581  neslio@andrew.cmu.edu

Péraire, Cécile  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  spagliar@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
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
Penderville, JT  Audio Visual & Distance Communications Manager – ECE  (412) 268-6555
Perrig, Adrian  Adjunct 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.
Phelps, Shelley  Finance and Business Associate – ECE  (412) 268-8745
Piazza, Gianluca  (Gian) 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 Writer – ECE; Professional Assistant – ECE  leahp1@andrew.cmu.edu
Platzer, Andre  Assistant Professor – CSD; Associate Professor – ECE  (412)-268-1558 aplatzer@cs.cmu.edu

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

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

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 ed@ece.cmu.edu
Professor – ECE

Keywords

Semiconductor devices, information storage, optoelectronic systems
Schneider, Jeff Research (412)-268-1375
Professor – RI; Courtesy Professor – ECE jeff4@andrew.cmu.edu
Sekar, Vyas Assistant Professor – ECE vsekar@ece.cmu.edu

20
Keywords

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

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

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

Keywords

Computer architecture, reliability, context aware mobile computing

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

Keywords

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

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

Keywords

Telecommunications policy and economics

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

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

**Skovira, Holly** Senior Administrative Coordinator – ECE (412) 268-8162
hskovira@andrew.cmu.edu

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

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

Keywords

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

**Smith Jr., Robert E.** Senior Windows Systems Engineer – ECE (412)-268-6033
robsmith@cmu.edu

**Smitley, Brandon** Linux Engineer – ECE 412-268-5716
bsmitley@andrew.cmu.edu

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

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

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

**Song, Dawn** Adjunct Professor – ECE xds@andrew.cmu.edu

**Sreenath, Koushil** Courtesy Professor – ECE; Assistant Professor – RI koushils@andrew.cmu.edu

**Stancil, Daniel** Adjunct Professor – ECE ddstancil@ncsu.edu

Keywords

Wireless communications, nanophotonics, spin wave devices

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

Keywords

Computer networks, distributed systems, pervasive computing

**Stern, Richard** Professor – ECE, LTI, CSD, BME; Lecturer – Music (412)-268-2535
rms@ece.cmu.edu
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
vigneshs@andrew.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
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

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

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  
piv@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  
tonyw@cmu.edu

**Wasserman, Anthony** Adjunct Professor – ECE  

**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  
rwill@andrew.cmu.edu

Woodhead, Vickie  Undergraduate Advisor – ECE  
(412) 268-4425

X

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

Yagan, Osman  Assistant Research Professor – ECE  
(412) 268-3976

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

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