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

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

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

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

Antaki, James   Professor – BME; Courtesy Professor – ECE  
antaki@andrew.cmu.edu

Atwell, Niccole   Senior Associate Director of Engagement and Annual Giving – ECE  
(412) 268-8858  
atwell@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

Balram, Nikhil   Adjunct Professor – ECE  
(412)-268-2224  
judy@ece.cmu.edu

Bandola, Judy   Administrative Coordinator – ECE  
(412)-268-9745  
ibauer@cmu.edu

Bauer, Lujo   Associate Professor – ISR, ECE  
(412)-268-7422  
cbauerle@ece.cmu.edu

Keywords

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

Balram, Nikhil   Adjunct Professor – ECE  
(412)-268-2224  
judy@ece.cmu.edu

Bandola, Judy   Administrative Coordinator – ECE  
(412)-268-9745  
ibauer@cmu.edu

Bauer, Lujo   Associate Professor – ISR, ECE  
(412)-268-7422  
cbauerle@ece.cmu.edu

Keywords

Computer security, access control, program monitoring, security automata, policy specification
Beckmann, Nathan Courtesy
Professor – ECE; Assistant Professor – CSD
beckmann@cs.cmu.edu

Berger, Luc Professor
Emeritus – Physics; Affiliated Faculty – DSSC
lberger@andrew.cmu.edu

Berges, Mario Assistant
Professor – CEE; Courtesy Professor – ECE
marioberges@cmu.edu

Bhagavatula, Vijayakumar U.A. and Helen Whitaker Professor – ECE; Affiliated Faculty – DSSC; Associate Dean of Faculty and Graduate Affairs – CIT
(412)-268-3026
kumar@ece.cmu.edu

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

Bianchini, Ronald Adjunct
Professor – ECE
(412)-968-9110
rpb@ece.cmu.edu

Keywords
Distributed fault-tolerant computing and computer networks

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

Blanton, Shawn Professor – ECE
(412)-268-2987
rblanton@andrew.cmu.edu

Keywords
Test and diagnosis of heterogeneous, integrated systems

Bollapragada, Vara Post Doctoral Research Associate – ECE
sbollapr@ece.cmu.edu

Boni, Dante Equipment Technician – Nanofab
dboni@andrew.cmu.edu

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

Brown, Timothy X Distinguished Service Professor – EPP, ECE +250 78 767 40 62
timxb@andrew.cmu.edu

Brumley, David J. Associate Professor – CS; Director – CyLab; Professor – ECE dbrumley@ece.cmu.edu

Bryant, Randal Professor – CS; Courtesy Professor – ECE
(412)-268-8821
bryant@cs.cmu.edu

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

C

Carley, Kathleen  Professor – ISR; Courtesy Professor – ECE  (412)-268-6016
Carley, Rick  ST Microelectronics  (412)-268-3597
Professor – ECE; Affiliated Faculty – DSSC  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

Chi, Yuejie  Adjunct Professor – ECE  yuejiec@andrew.cmu.edu
Chomas, Louis  Research Associate – DSSC; Cleanroom/MEMS Engineer – ECE  (412)-855-9077
lchomas@andrew.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
Associate – ChemE, DSSC pil@cmu.edu

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

Keywords

Hardware and software verification, automatic theorem proving, symbolic computation

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

Condeessa, Filipe Post Doctoral Research (412)-268-3729
Associate – ECE fcondess@andrew.cmu.edu

Conley, Kelley Research 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

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

Dey, Anind K. Associate anind@cs.cmu.edu
Professor – HCII; Courtesy Professor – ECE
<table>
<thead>
<tr>
<th>Name</th>
<th>Title and Affiliation</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dolan, John</td>
<td>Courtesy Professor – ECE; Senior Systems Scientist – RI</td>
<td>(412)-268-7988</td>
<td><a href="mailto:jmd@cs.cmu.edu">jmd@cs.cmu.edu</a></td>
</tr>
<tr>
<td>Du, Jian</td>
<td>Post Doctoral Research Associate – ECE</td>
<td>(412)-268-3052</td>
<td><a href="mailto:jiand@andrew.cmu.edu">jiand@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Eckhardt, Dave</td>
<td>Courtesy Professor – ECE; Assistant Teaching Professor – CS</td>
<td></td>
<td><a href="mailto:davide+receptionist@cs.cmu.edu">davide+receptionist@cs.cmu.edu</a></td>
</tr>
<tr>
<td>Elgersma, Steve</td>
<td>Senior Systems &amp; Software Engineer – ECE</td>
<td>(412)-268-9531</td>
<td><a href="mailto:elgersma@ece.cmu.edu">elgersma@ece.cmu.edu</a></td>
</tr>
<tr>
<td>Erdogmus, Hakan</td>
<td>Associate Teaching Professor – ECE</td>
<td></td>
<td><a href="mailto:hakan.erdogmus@sv.cmu.edu">hakan.erdogmus@sv.cmu.edu</a></td>
</tr>
<tr>
<td>Faloutsos, Christos</td>
<td>Professor – CS; Courtesy Professor – ECE</td>
<td>(412)-268-1457</td>
<td><a href="mailto:christos@cs.cmu.edu">christos@cs.cmu.edu</a></td>
</tr>
<tr>
<td>Falsafi, Babak</td>
<td>Adjunct Professor – ECE</td>
<td></td>
<td><a href="mailto:babak.falsafi@epfl.ch">babak.falsafi@epfl.ch</a></td>
</tr>
<tr>
<td>Fedder, Gary</td>
<td>Howard M. Wilkoff Professor – ECE; Assistant Professor – CS</td>
<td>(412)-268-8443</td>
<td><a href="mailto:fedder@ece.cmu.edu">fedder@ece.cmu.edu</a></td>
</tr>
</tbody>
</table>

**Keywords**

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

**Keywords**

Databases, data mining, multimedia indexing, performance evaluation

**Keywords**

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

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
Computer architecture, operating systems,
file systems, disk arrays

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
Higgs III, Fred Professor – MechE; Courtesy Professor – ECE  (412)-268-2486  higgs@andrew.cmu.edu
Keywords
Tribology, nanomanufacturing, multi-scale particle flows

Hills, Alex Distinguished Service Professor – EPP; Courtesy Professor – ECE  (907)-232-6088  ahills@cmu.edu
Keywords
Research in wireless technology and telecommunications policy

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

Islam, Mohammad F. Assistant Professor – ChemE, MSE; Courtesy Professor – ECE (412)-268-8999 mohammad@andrew.cmu.edu

Jackson, Collin Adjunct Professor – ECE collin.jackson@sv.cmu.edu
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.

Jordon, 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.

Kar, Soummya  Associate Research Professor – ECE  

Keywords

Computer vision, autonomous systems, medical robotics.
Keywords

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

Kass, Leona Director of Student and Academic Affairs – ECE
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
ikimukin@andrew.cmu.edu

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

Kochhar, Abhay Research Scientist – ECE
(412)-268-8013
askochha@andrew.cmu.edu

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

Kompalli, Suryaprakash Assistant Teaching Professor – ECE
+250 78 484 08 55
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
ejelenak@cmu.edu

Keywords

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

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

Krogh, Bruce H.
Professor – ECE
(412)-268-2472
krogh@ece.cmu.edu

Keywords

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

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

Keywords

Magnetic recording, optical recording and ferroelectric materials

Kumar, Swarun S.
Assistant Professor – ECE
412-268-1892
swarun@cmu.edu

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

Lambeth, David N.
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

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

Li, Ming  Adjunct Professor – ECE

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

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

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

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

Keywords

Computer-aided design and manufacturing of VLSICs
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

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.

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

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

Keywords

Computer dependability and security; information warfare; intrusion detection; system diagnosis

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
one.mengshoel@sv.cmu.edu

Metcalf, David  Senior Linux Engineer – ECE
dmetcalf@andrew.cmu.edu

Miskov-Zivanov, Natasa  Adjunct Faculty – ECE
(412)-268-6327
nmiskov@andrew.cmu.edu

Moe, Tara  Director of Graduate Affairs – ECE
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  b Mormow@andrew.cmu.edu
Morgan, Granger  Professor – ECE; Lord Professor – EPP  (412)-268-2672  gm5d@andrew.cmu.edu

Keywords
Technology and policy including climate change and electric power

Morris, James  Professor – CS; Courtesy Professor – ECE  (412)-609-5000  james.morris@sv.cmu.edu
Moura, José  Associate Department Head - Research & Strategic Initiatives – ECE; Philip L. and Marsha Dowd University Professor – ECE, BME; Affiliated Faculty – DSSC  (412)-268-6341  moura@ece.cmu.edu

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

Moutis, Panayiotis  Post Doctoral Research 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

Keywords
Computer architecture, compilers, operating systems, parallel processing

Moya, Linda  Assistant Teaching Professor – ECE, SDS  412-268-8364  lh moya@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
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

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  
neji@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

Oliver, Megan  
Academic Services Coordinator – ECE  
412-268-5621  
mvolver@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  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  Senior Research Scientist – ECE  spagliar@ece.cmu.edu

Palko, Adam P.  Finance and Research Administrator – ECE  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 – 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.

**Keywords**

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

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

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

**Keywords**

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

Design, implementation and modeling of electronic integrated systems

**Keywords**

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

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

**Keywords**

Popli, Nipun  
Post Doctoral Research Associate – ECE  
npopli@ece.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

Embedded and real-time systems
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  
Satyanarayanan, Mahadev  Carnegie Professor – CS; Courtesy Professor – ECE
**Savvides, Marios**  Research Professor – ECE; Director – CyLab Biometrics Center  
Keywords  
Biometric identification, Cyber-Physical Security, Authentication, Pattern recognition  
*Schlesinger, T.E. (Ed)*  Adjunct Professor – ECE  
Keywords  
Semiconductor devices, information storage, optoelectronic systems  
*Schneider, Jeff*  Research Professor – RI; Courtesy Professor – ECE  
*Scott, Stephanie*  Academic Program Advisor – ECE  
*Sekar, Vyas*  Assistant Professor – ECE  
Keywords  
Networking, Security, Systems, Software-defined networking, Internet-of-Things security  
*Serafin, Stephen*  Senior Systems Engineer – ECE  
*Seshan, Srinivasan*  Associate Professor – CS; Courtesy Professor – ECE  
Keywords  
Network protocols, applications, distributed systems, mobile computing, wireless networks  
*Shah, Nihar*  Assistant Professor – MLD, CSD; Courtesy Professor – ECE  
*Shen, John*  Professor – ECE  
Keywords  
Modern superscalar processor design, instruction-level parallelism and code scheduling
Siewiorek, Daniel  Buhl University  (412)-268-2570  dps@ece.cmu.edu
Professor – HCII, ECE, CSD

Keywords
Computer architecture, reliability, context aware mobile computing

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

Professor – MechE, ECE, RI

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

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

Professor – EPP; Courtesy Professor – ECE

Keywords
Telecommunications policy and economics

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

Professor – MechE, RI;Courtesy Professor – ECE;Affiliated Faculty – DSSC

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

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

Senior Administrative Coordinator – ECE

Keywords
Skowronski, Marek  Courtesy Professor – ECE; Professor – MSE; Affiliated Faculty – DSSC  (412)-268-2710  hms3s@andrew.cmu.edu

Professor – ECE;Professor – MSE;Affiliated Faculty – DSSC

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

Professor – ECE; Research Professor – ICES; Director – LINCS

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

Senior Windows Systems Engineer – ECE

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

Linux Engineer – ECE

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

Professor – MLD; Courtesy Professor – ECE

Keywords
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  dstancil@ncsu.edu

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

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

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

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

Keywords

Wireless communications, nanophotonics, spin wave devices

Steenkiste, Peter  Professor – ECE, CS

Keywords

Computer networks, distributed systems, pervasive computing

Steenkiste, Peter

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
Tags, Patrick
Associate Research Professor – CyLab, INI, ECE
(650)-335-2827
patrick.tague@sv.cmu.edu

Keywords

Network security; Wireless networking

Talukdar, Sarosh
Professor – 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 – 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.

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
Verissimo, Paulo Adjunct Professor – ECE
Vernon, David Teaching Faculty – ECE
Vidal Alvarez, Gabriel Post Doctoral Research Associate – ECE
Vieira, Deb Senior Multimedia Designer – ECE
Vinayak, Rashmi Assistant Professor – CSD; Courtesy Professor – ECE
Wang, Kai Adjunct Professor – ECE
Wang, Yao Post Doctoral Research Associate – ECE
Wasserman, Anthony Adjunct Professor – ECE
Weiler, Mark Equipment Manager, Nanofabrication Facility – ECE
Weiss, Lee Courtesy Professor – ECE; Research Professor – RI
Weldon, Jeffrey Associate Professor – ECE

Keywords

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

Wen, Tianlong Post Doctoral Research Associate – Physics, DSSC
White, Robert M Emeritus University Professor – ECE, EPP; Affiliated Faculty – DSSC
Keywords

Magnetic nanotechnology
**Will, Regis** Senior Systems Engineer – ECE  (412)-268-3126
will@andrew.cmu.edu

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

**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 zhiyiyu@andrew.cmu.edu

Keywords

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

**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