<table>
<thead>
<tr>
<th>Name</th>
<th>Position</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>Alvarez, Renee</td>
<td>Senior Administrative Assistant – ECE</td>
<td><a href="mailto:RCALVARE@andrew.cmu.edu">RCALVARE@andrew.cmu.edu</a></td>
<td></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>Amos, Rachel</td>
<td>Manager of Undergraduate Advising – ECE</td>
<td><a href="mailto:ramos2@andrew.cmu.edu">ramos2@andrew.cmu.edu</a></td>
<td>(412) 268-3666</td>
</tr>
<tr>
<td>Amvrosiadis, George</td>
<td>Assistant Research Professor – ECE</td>
<td><a href="mailto:gamvrosi@andrew.cmu.edu">gamvrosi@andrew.cmu.edu</a></td>
<td></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></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>Ausavarungnirun, Rachata</td>
<td>Post Doctoral Research Associate – ECE</td>
<td><a href="mailto:rausavar@andrew.cmu.edu">rausavar@andrew.cmu.edu</a></td>
<td></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>
</tbody>
</table>

**Keywords**

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

Balram, Nikhil | Adjunct Professor – ECE |

Bandola, Judy | Administrative Coordinator – ECE |

Bauer, Lujo | Associate Professor – ISR, ECE |

**Keywords**

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

Keywords
Formal hardware and software verification
Burns, Krista
Communications Manager – ECE
kgregan@ece.cmu.edu

Carley,
Kathleen Professor – ISR; Courtesy Professor – ECE
kathleen.carley@cs.cmu.edu

Carley, Rick ST Microelectronics Professor – ECE; Affiliated Faculty – DSSC
lrc@ece.cmu.edu

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

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

Caruso, Stephanie
Academic Program Advisor – ECE
stephaniec@cmu.edu

Chamanzar, Maysam
Assistant Professor – ECE
mchamanz@andrew.cmu.edu

Chase, Steven
Courtesy Professor – ECE
schase@andrew.cmu.edu

Chen, Tsuhan
Adjunct Professor – ECE
tsuhan@ece.cmu.edu

Keywords
Optics, Neural Interfaces, Photonic Integrated Circuits, Plasmonics, Sensing

Choset, Howie
Professor – RI; Courtesy Professor – ECE
choset@cs.cmu.edu

Chraska, Jacqueline
Administrative Coordinator – ECE
chraska@ece.cmu.edu

Keywords
Hyper-redundant mechanisms, coverage, car-painting, de-mining, mobile robots, motion planning, hybrid controls
Christin, Nicolas Associate Research Professor – EPP; Assistant Research Professor – CyLab; Courtesy Professor – ECE

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

Keywords

Usable privacy and security

Datta, Anupam Associate Professor – CyLab, ECE

Davis, Robert John and Claire Bertucci Distinguished Professor – MSE; Courtesy Professor – ECE

Decker, Dave Manager of Web Development Services – ECE

De La Torre Frade, Fernando Courtesy Professor – ECE; Research Scientist – RI

Dey, Anind K. Associate Professor – HCII; Courtesy Professor – ECE

Dolan, John Courtesy Professor – ECE; Senior Systems Scientist – RI

Cranor, Lorrie F. Professor – ISR, EPP; Courtesy Professor – ECE

Keywords

Usable privacy and security

Cranor, Lorrie F. Professor – ISR, EPP; Courtesy Professor – ECE

Keywords

Usable privacy and security

Cranor, Lorrie F. Professor – ISR, EPP; Courtesy Professor – ECE

Keywords

Usable privacy and security

Cranor, Lorrie F. Professor – ISR, EPP; Courtesy Professor – ECE

Keywords

Usable privacy and security

Cranor, Lorrie F. Professor – ISR, EPP; Courtesy Professor – ECE

Keywords

Usable privacy and security

Cranor, Lorrie F. Professor – ISR, EPP; Courtesy Professor – ECE

Keywords

Usable privacy and security

Cranor, Lorrie F. Professor – ISR, EPP; Courtesy Professor – ECE

Keywords

Usable privacy and security
Keywords

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

**Du, Jian** Post Doctoral Research Associate – ECE
(412)-268-3052
jiand@andrew.cmu.edu

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

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

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

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

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

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

**Fanti, Giulia** Assistant Professor – ECE
gfanti@andrew.cmu.edu

**Fassinger, Dan P.** IT Manager – ECE
(412)-268-4745
danfas@ece.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

Keywords
Molecular beam epitaxy, scanning tunneling microscopy

Ferris, Sherri Administrative Coordinator – ECE

Fox, Toni Sponsored Research Assistant – CyLab

Franchetti, Franz Professor – ECE; Faculty Director of ITS – ECE

Keywords
Automatic performance tuning; automatic software libraries generation; code generation for multicore CPUs, high-performance systems (HPC), GPUs, FPGA-acceleration; logic-in-memory and 3DIC systems; domain-specific languages and compilers

Fredrikson, Matt Assistant Professor – ISR, CS; Courtesy Professor – ECE

Keywords
Security, privacy, formal methods, and programming languages.

Frost, Brittany Senior Sponsored Research Assistant – CyLab

Frost, Donna International Scholar Coordinator – ECE

Furuta, Masaki Post Doctoral Research Associate – ECE

Gamble, Andrew Laboratory Electronics Supervisor – DSSC

G
**Ganger, Greg** Affiliated Faculty – CSD; Jatras
Professor – ECE, CSD; Director – PDL
(412)-268-1297
ganger@ece.cmu.edu

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

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

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

**Ghose, Saugata** Systems Scientist – ECE
(412)-268-9192
saugatag@andrew.cmu.edu

**Gibbons, Phil** Professor – ECE
pgibbons@andrew.cmu.edu

**Gibson, Garth** Professor – CS; Courtesy Professor – ECE; Affiliated Faculty – DSSC
(412)-268-5890
garth@cs.cmu.edu

**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

**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**

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

**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**

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 – CSD; Courtesy Professor – ECE
(412)-268-3828
seth@cs.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
(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

Jackson, Collin Adjunct Professor – ECE collin.jackson@sv.cmu.edu
Jahanian, Farnam Vice President for Research – CMU; Courtesy Professor – ECE (412) 268-3363 farnam@andrew.cmu.edu
Jayan, B. Reeja Courtesy Professor – ECE bjayan@andrew.cmu.edu
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

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

Keywords
Computer vision, autonomous systems, medical robotics
Kar, Soumya Associate Research Professor – ECE

Keywords

K
Kainers@andrew.cmu.edu
tk@cs.cmu.edu
soumyak@andrew.cmu.edu

K
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

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

**Kitani, Kris** Courtesy Professor – ECE; Assistant Research Professor – RI

kmkitani@andrew.cmu.edu

**Knickerbocker, Kara** Administrative Coordinator – ECE

krk@andrew.cmu.edu

**Kochhar, Abhay** Research Scientist – ECE

(412)-268-8013

askochha@andrew.cmu.edu

**Koeske, Matt** Research Administrator – ECE

(412)-268-7293

koeske@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  
jelenak@cmu.edu

Keywords

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

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

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

Keywords

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

Kryder, Mark  
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 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

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

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

Keywords

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

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

Maly, Wojciech Professor Emeritus – ECE (412)-268-6637
maly@ece.cmu.edu
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 – DSSC, ECE (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 ole.mengshoel@sv.cmu.edu
Metcalf, David Senior Linux Engineer – ECE dmetcalf@andrew.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
Mohimani, Hosein  Courtesy  Professor – ECE; Assistant Professor – CBD

Moneck, Matthew  Executive  Manager, ECE Nanofabrication Facility – Nanofab; Research Scientist – DSSC

Morchower, Bari  Student Organizations and Activities Advisor – ECE

Morgan, Granger  Professor – ECE; Lord Professor – EPP

Keywords

Technology and policy including climate change and electric power

Morris, James  Professor – CS; Courtesy Professor – ECE

Moura, José  Associate Department Head - Research & Strategic Initiatives – ECE; Philip L. and Marsha Dowd University Professor – ECE, BME; Affiliated Faculty – DSSC

Keywords

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

Moutis, Panayiotis  Post Doctoral Research Associate – ECE

Mowry, Todd  Professor – CS; Courtesy Professor – ECE; Co-Director – CALCM

Keywords

Computer architecture, compilers, operating systems, parallel processing

Moya, Linda  Assistant Teaching Professor – ECE, SDS

Mukherjee, Tamal  Professor – ECE

Keywords

Analog/RF/MEMS/biofluidic microsystem design

Mutlu, Onur  Adjunct Professor – ECE
Keywords

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

N

Nace, Bill
Associate Teaching Professor – ECE
(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
mnoel@andrew.cmu.edu

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

O

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
ozdoganlar@cmu.edu

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

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

Püschel, Markus Adjunct Professor – ECE 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 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

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

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

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  
sphelps@andrew.cmu.edu

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

Keywords

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

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

Keywords

Design, implementation and modeling of electronic integrated systems

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

S

Caruso, Stephanie Academic Program Advisor – ECE

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

Schlesinger, T.E. (Ed) Adjunct Professor – ECE

Schneider, Jeff Research Professor – RI; Courtesy Professor – ECE

Sekar, Vyas Assistant Professor – ECE

Seshan, Srinivasan Associate Professor – CS; Courtesy Professor – ECE

Keywords

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

Schlesinger, T.E. (Ed) Adjunct Professor – ECE

Schneider, Jeff Research Professor – RI; Courtesy Professor – ECE

Sekar, Vyas Assistant Professor – ECE

Seshan, Srinivasan Associate Professor – CS; Courtesy Professor – ECE

Keywords

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

Seshan, Srinivasan Associate Professor – CS; Courtesy Professor – ECE

Keywords

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

Schlesinger, T.E. (Ed) Adjunct Professor – ECE

Schneider, Jeff Research Professor – RI; Courtesy Professor – ECE

Sekar, Vyas Assistant Professor – ECE

Seshan, Srinivasan Associate Professor – CS; Courtesy Professor – ECE

Keywords

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

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
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
rsingh@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
<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Keywords</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skowronski, Marek</td>
<td>Courtesy Professor – ECE;</td>
<td>Mobile computing, computer architecture, system design methods, wearable</td>
</tr>
<tr>
<td></td>
<td>Professor – MSE; Affiliated Faculty – DSSC</td>
<td>wearable computers</td>
</tr>
<tr>
<td>Smailagic, Asim</td>
<td>Courtesy Professor – ECE;</td>
<td>Mobile computing, computer architecture, system design methods, wearable</td>
</tr>
<tr>
<td></td>
<td>Research Professor – ICES;</td>
<td>wearable computers</td>
</tr>
<tr>
<td></td>
<td>Director – LINCS</td>
<td></td>
</tr>
<tr>
<td>Smith Jr., Robert E.</td>
<td>Senior Windows Systems Engineer – ECE</td>
<td></td>
</tr>
<tr>
<td>Smitley, Brandon</td>
<td>Linux Engineer – ECE</td>
<td></td>
</tr>
<tr>
<td>Smola, Alex</td>
<td>Professor – MLD; Courtesy Professor – ECE</td>
<td></td>
</tr>
<tr>
<td>Snizaski, Nathan</td>
<td>Ph.D. Academic Program Advisor – ECE</td>
<td></td>
</tr>
<tr>
<td>Sokalski, Vincent</td>
<td>Assistant Research Professor – MSE; Affiliated Faculty – DSSC</td>
<td></td>
</tr>
<tr>
<td>Song, Dawn</td>
<td>Adjunct Professor – ECE</td>
<td></td>
</tr>
<tr>
<td>Sreenath, Koushil</td>
<td>Courtesy Professor – ECE; Assistant Professor – RI</td>
<td></td>
</tr>
<tr>
<td>Stancil, Daniel</td>
<td>Adjunct Professor – ECE</td>
<td></td>
</tr>
<tr>
<td>Song, Dawn</td>
<td>Adjunct Professor – ECE</td>
<td></td>
</tr>
<tr>
<td>Stancil, Daniel</td>
<td>Adjunct Professor – ECE</td>
<td></td>
</tr>
<tr>
<td>Stevens, Dave</td>
<td>Facilities Assistant – ECE</td>
<td></td>
</tr>
<tr>
<td>Stern, Richard</td>
<td>Professor – ECE, LTI, CSD, BME; Lecturer – Music</td>
<td></td>
</tr>
<tr>
<td>Stevenson, Smith</td>
<td>Senior Windows Systems Engineer – ECE</td>
<td></td>
</tr>
<tr>
<td>Stevens, Dave</td>
<td>Facilities Assistant – ECE</td>
<td></td>
</tr>
</tbody>
</table>

Keywords

Wireless communications, nanophotonics, spin wave devices, and computer networks, distributed systems, pervasive computing.

Automatic speech recognition, auditory perception, signal processing.
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

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

Keywords
Network security; Wireless networking

Talukdar, Sarosh  Professor Emeritus – ECE  (412)-268-8778  talukdar@ece.cmu.edu

Keywords
Autonomous agents, distributed control, power systems, cascading failures

Tang, Xiaoying  Adjunct Professor – ECE  txiaoyin@ece.cmu.edu
Tayur, Sridhar  Courtesy Professor – ECE; Professor – Tepper  412-268-3584  stayur@andrew.cmu.edu
Thomas, Donald  Professor Emeritus – ECE  (412)-268-3545  thomas@ece.cmu.edu

Keywords
Computer-aided design of single chip heterogeneous multiprocessing systems

Tims, Joshua  Systems Administrator – ECE  (412)-268-5888  jtims@ece.cmu.edu
Tomko, Jessica  Admissions Coordinator – ECE  (412)-268-4786  jtomko@andrew.cmu.edu
Tonguz, Ozan  Professor – ECE  (412)-268-5991  tonguz@ece.cmu.edu
Keywords
Optical networks, wireless networks and communications systems, and high-speed networking

Towe, Elias Professor – ECE; Albert and Ethel Grobstein Memorial Professor – MSE; Director – CNXT

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

U

Ustun, Taha Selim Assistant Teaching Professor – ECE

Keywords
Power Systems Protection, Communication in Power Networks, Distributed Generation, Microgrids and Smartgrids

V

Veloso, Manuela Professor – CS; Courtesy Professor – ECE

Veríssimo, Paulo Adjunct Professor – ECE

Veras, Richard Post Doctoral Research Associate – 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

W

Wang, Kai Adjunct Professor – ECE

Wasserman, Anthony Adjunct Professor – ECE

Weiler, Mark Equipment Manager, Nanofabrication Facility – ECE

Weiss, Lee Courtesy Professor – ECE; Research Professor – RI
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  woodhead@ece.cmu.edu

X

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

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

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  terryye@ece.cmu.edu

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

Yu, Byron Associate Professor – ECE; Assistant Professor – BME  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