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  jibain@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
(412)-268-2919
lberger@andrew.cmu.edu

Berges, Mario  Assistant Professor – CEE; Courtesy Professor – ECE
412-268-4572
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

Bintrim, Grace  Administrative Coordinator – ECE
(412) 268-9192
gbintrim@andrew.cmu.edu

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
(412)-268-2234
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 – CSD; Director – CyLab; Professor – ECE
(412)-268-3851
dbrumlley@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 Manager – ECE  (412)-268-5316 kgregan@ece.cmu.edu

Carley, Kathleen Professor – ISR; Courtesy Professor – ECE  (412)-268-6016 kathleen.carley@cs.cmu.edu
Carley, Rick ST Microelectronics Professor – ECE; Affiliated Faculty – DSSC  (412)-268-3597 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 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 Associate Professor – ECE yuejiec@andrew.cmu.edu
Chomas, Louis Research Associate – DSSC; Cleanroom/MEMS Engineer – ECE (412)-855-9077 lchomas@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

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

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

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

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

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

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

Elgersma, Steve Senior Systems & Software Engineer – ECE

Erdogmus, Hakan Associate Teaching Professor – ECE

Ervin, Allison Administrative Coordinator – ECE

Faloutsos, Christos Professor – CS; Courtesy Professor – ECE

Keywords
Databases, data mining, multimedia indexing, performance evaluation

Falsafi, Babak Adjunct
Professor – ECE, CS

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

Fanti, Giulia Assistant Professor – ECE

Fassinger, Dan P. IT Manager – ECE

Fedder, Gary Howard M.
Wilkoff Professor – ECE, RI; Co-Director – MEMS; Affiliated Faculty – DSSC

(412)-268-3052
jiand@andrew.cmu.edu

davide+receptionist@cs.cmu.edu

(412)-268-9531
elgersma@ece.cmu.edu

hakan.erdogmus@sv.cmu.edu

412-268-5859
aervin@andrew.cmu.edu

(412)-268-1457
christos@cs.cmu.edu

babak.falsafi@epfl.ch

(412)-268-4745
danfas@ece.cmu.edu

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

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

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

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

Gellman, Andrew J. Lord  (412)-268-3848
Professor – ChemE; Professor – Chemistry; Affiliated Faculty – DSSC  
aq4b@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  
garth@cs.cmu.edu

Keywords
Computer architecture, operating systems,  
file systems, disk arrays

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

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

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

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

Gottron, Norman  Process  (412)-268-4205
Engineer – Nanofab  
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
pq1g@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
bhe1@andrew.cmu.edu

Higgs III, Fred Professor – MechE; Courtesy Professor – ECE 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 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
Jackson, Collin  Adjunct Professor – ECE  
collin.jackson@sv.cmu.edu
(412) 268-3363

Jahanian, Farnam  Vice President for Research – CMU; Courtesy Professor – ECE  
farnam@andrew.cmu.edu

Jayan, B. Reeja  Courtesy Professor – ECE  
bjayan@andrew.cmu.edu

Jhon, Myung S.  Professor – ChemE; Affiliated Faculty – DSSC  
mj3a@andrew.cmu.edu

Jia, Limin  Assistant Research Professor – CyLab, INI, ECE  
liminjia@andrew.cmu.edu
(412)-268-4605

Keywords

Language-based security, programming languages, logic and program verification.

Joe-Wong, Carlee  Assistant Professor – ECE  
cjoewong@andrew.cmu.edu
(412)-268-4605

Keywords

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

Johnson, Aaron  Courtesy Professor – ECE, RI; Assistant Professor – MechE  
amj1@andrew.cmu.edu

Jordan, Angel  Emeritus University Professor – ECE, RI  
ajordan@cs.cmu.edu
(412)-268-2590

Keywords

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

Joshi, Gauri  Assistant Professor – ECE  
gaurij@andrew.cmu.edu

Keywords

Performance analysis, cloud computing, machine learning

K

Kainerstorfer, Jana  Courtesy Professor – ECE  
jkainers@andrew.cmu.edu

Kanade, Takeo  U.A. and Helen Whitaker Professor – CS, RI; Courtesy Professor – ECE  
tk@cs.cmu.edu
(412)-268-3016
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
lkass@andrew.cmu.edu
Kavcic, Aleksandar Adjunct Faculty – ECE akavcic@andrew.cmu.edu
Kelly, Shawn K. Courtesy skkelly@andrew.cmu.edu
Professor – ECE; Senior Systems Scientist – ICES
Khosla, Pradeep K. Adjunct pkk@ece.cmu.edu
Professor – ECE; Chancellor – University of California, San Diego

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
kim@ece.cmu.edu

Keywords

Advanced switch and network architectures, fault-tolerant network architectures, network management and control
Kimukin, Ibrahim Research (412)-268-9013
Associate – ECE ikimukin@andrew.cmu.edu
Kitani, Kris Courtesy kmkitani@andrew.cmu.edu
Professor – ECE; Assistant Research Professor – RI
Knickerbocker, Kara Administrative (412)-268-2389
Coordinator – ECE k rk@andrew.cmu.edu
Kochhar, Abhay Research Scientist – ECE (412)-268-8013
askochha@andrew.cmu.edu
Koeske, Matt Research (412)-268-7293
Administrator – ECE
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kompalli, Suryaprakash</td>
<td>Assistant Teaching Professor – ECE</td>
<td>+250 78 484 08 55</td>
<td><a href="mailto:koeske@ece.cmu.edu">koeske@ece.cmu.edu</a></td>
</tr>
<tr>
<td>Koopman, Philip</td>
<td>Associate Professor – ECE, CS</td>
<td>(412)-268-5225</td>
<td><a href="mailto:koopman@cmu.edu">koopman@cmu.edu</a></td>
</tr>
<tr>
<td>Kovačević, Jelena</td>
<td>University Professor – ECE; University Professor – BME</td>
<td>(412) 268-3299</td>
<td><a href="mailto:jelenak@cmu.edu">jelenak@cmu.edu</a></td>
</tr>
<tr>
<td>Kozuch, Michael A.</td>
<td>Adjunct Professor – ECE</td>
<td></td>
<td><a href="mailto:mkozuch@andrew.cmu.edu">mkozuch@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Krogh, Bruce H.</td>
<td>Professor – ECE</td>
<td></td>
<td><a href="mailto:krogh@ece.cmu.edu">krogh@ece.cmu.edu</a></td>
</tr>
<tr>
<td>Kryder, Mark</td>
<td>Emeritus University Professor – ECE; Affiliated Faculty – DSSC</td>
<td>(412)-268-3513</td>
<td><a href="mailto:kryder@ece.cmu.edu">kryder@ece.cmu.edu</a></td>
</tr>
<tr>
<td>Kumar, Swarun S.</td>
<td>Assistant Professor – ECE</td>
<td>412-268-1892</td>
<td><a href="mailto:swarun@cmu.edu">swarun@cmu.edu</a></td>
</tr>
<tr>
<td>Kurpiewski, Matthew</td>
<td>Systems Administrator – ECE</td>
<td>(412) 268-1973</td>
<td><a href="mailto:mkurp@andrew.cmu.edu">mkurp@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Lambeth, David N.</td>
<td>Professor Emeritus – ECE</td>
<td>(412)-268-3674</td>
<td><a href="mailto:lambeth@ece.cmu.edu">lambeth@ece.cmu.edu</a></td>
</tr>
</tbody>
</table>

**Keywords**

- distributed embedded systems, survivable system architecture, dependability
- Signal processing, biomedical, wavelets, frames, multiresolution, communications
- 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
- Magnetic recording, optical recording and ferroelectric materials
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 Professor – MSE; Courtesy Professor – ECE; Affiliated Faculty – DSSC (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 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 canyi@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
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 taramoe@ece.cmu.edu
Mohimani, Hosein Courtesy Professor – ECE; Assistant Professor – CBD hoseinm@andrew.cmu.edu
Moneck, Matthew Executive Manager, ECE Nanofabrication Facility – Nanofab; Research Scientist – DSSC mmoneck@andrew.cmu.edu
Morchower, Bari Student Organizations and Activities Advisor – ECE bmorchow@andrew.cmu.edu
Morgan, Granger Professor – ECE; Lord Professor – EPP gm5d@andrew.cmu.edu

Keywords
Technology and policy including climate change and electric power
Morris, James Professor – CS; Courtesy Professor – ECE jones@ece.cmu.edu
Moura, Jose Associate Department Head - Research & Strategic Initiatives – ECE; Philip L. and Marsha Dowd University Professor – ECE, BME; Affiliated Faculty – DSSC moura@ece.cmu.edu

Keywords
Communications, statistical signal/image, video, and multimedia processing, wavelet transforms
Moutis, Panayiotis Post Doctoral Research Associate – ECE pmoutis@andrew.cmu.edu
Mowry, Todd Professor – CS; Courtesy Professor – ECE; Co-Director – CALCM tcm@cs.cmu.edu

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
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
parno@cmu.edu

Pasareanu, Corina Senior Research Scientist – ECE-SV
(650)-604-4767
**Patterson, Carolyn**
Administrative Coordinator – ECE  
(corresponding email: pcorina@andrew.cmu.edu)

**Pavlo, Andy**
Courtesy Professor – ECE  
(corresponding email: pavlo@cs.cmu.edu)

**Peha, Jon**
Professor – EPP; Courtesy Professor – ECE  
(corresponding email: 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  
(telephone: (412) 268-6555; email: jtpender@andrew.cmu.edu)

**Perrig, Adrian**
Adjunct Professor – ECE; Professor – EPP, CS; Technical Director – CyLab  
(corresponding email: 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  
(telephone: (412) 268-8745; email: sphelps@andrew.cmu.edu)

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

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

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

**Keywords**
Design, implementation and modeling of electronic integrated systems

**Pileggi, Leah**
Professional Writer – ECE; Professional Assistant – ECE  
(corresponding email: leahp1@andrew.cmu.edu)

**Platzer, Andre**
Assistant Professor – CSD; Associate Professor – ECE  
(telephone: (412)-268-1558; email: 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 lys@ece.cmu.edu
Prelich-Knight, Lyz Academic Services Coordinator – ECE lys@ece.cmu.edu

Keywords
Embedded and real-time systems
Ramakrishnan, Bhiksha Raj Courtesy Professor – ECE; Associate Professor – LTI bhiksha@cs.cmu.edu
Ramakrishnan, Bhiksha Raj Courtesy Professor – ECE; Associate Professor – LTI bhiksha@cs.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 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

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

Salvador, Paul A. Associate Professor – MSE; Affiliated Faculty – DSSC (412)-268-2702 paul7@andrew.cmu.edu

Sankaranarayanan, Aswin Assistant Professor – ECE (412)-268-1087 saswin@ece.cmu.edu

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

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

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

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

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

Keywords
Semiconductor devices, information storage, optoelectronic systems

Schneider, Jeff Research Professor – RI; Courtesy Professor – ECE jeff4@andrew.cmu.edu

Sekar, Vyas Assistant Professor – ECE vsekar@ece.cmu.edu
Keywords
Networking, Security, Systems, Software-defined networking, Internet-of-Things security
Seshan, Srinivasan Associate Professor – CS; Courtesy Professor – ECE
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 Professor – HCII, ECE, CSD
Keywords
Computer architecture, reliability, context aware mobile computing
Singh, Rita Courtesy Professor – ECE; Senior Systems Scientist – LTI
Sinopoli, Bruno Professor – MechE, ECE, RI
Keywords
Networked embedded control systems, sensors/actuators networks, control theory
Sirbu, Marvin Professor – EPP; Courtesy Professor – ECE
Keywords
Telecommunications policy and economics
Sitti, Metin Professor – MechE, RI; Courtesy Professor – ECE; Affiliated Faculty – DSSC

(412)-268-8734 srini@cmu.edu
nihars@andrew.cmu.edu
(412)-268-2570 dps@ece.cmu.edu
(412)-268-9432 brunos@ece.cmu.edu
(412)-268-3436 sirbu@cmu.edu
(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, Koushili  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
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.

U

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

V

Veríssimo, Paulo Adjunct Professor – ECE pjv@di.fc.ul.pt
Vernon, David Teaching Faculty – ECE +250 78 592 74 70
vernon@cmu.edu

Vidal Alvarez, Gabriel Post Doctoral Research Associate – ECE gvidal@andrew.cmu.edu
Vieira, Deb Senior Multimedia Designer – ECE (412)-268-5032
debraost@ece.cmu.edu
Vinayak, Rashmi Assistant Professor – CSD; Courtesy Professor – ECE rvinayak@cs.cmu.edu

W

Wang, Kai Adjunct Professor – ECE wangkai@andrew.cmu.edu
Wasserman, Anthony Adjunct Professor – ECE (650)-335-2807 tonyw@cmu.edu
Weiler, Mark Equipment Manager, Nanofabrication Facility – ECE mweiler@andrew.cmu.edu
Weiss, Lee  Courtesy
Professor – ECE; Research Professor – RI
lew@andrew.cmu.edu

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

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

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

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

Keywords
Magnetic nanotechnology

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

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

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

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

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

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

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

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

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

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

Yu, Zhiyi  Adjunct Professor – ECE  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  (412)-268-8373  jimmy.zhu@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