<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agarwal, Yuvraj</td>
<td>Courtesy Professor – ECE; Assistant Professor – CS</td>
<td>(412) 268-7328</td>
<td><a href="mailto:yuvraja@andrew.cmu.edu">yuvraja@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Alacce, John</td>
<td>Systems Administrator – ECE</td>
<td>(412)-268-6649</td>
<td><a href="mailto:jalaccine@ece.cmu.edu">jalaccine@ece.cmu.edu</a></td>
</tr>
<tr>
<td>Ambrass, Charlotte</td>
<td>Director of Finance and Sponsored Research – ECE</td>
<td>(412)-268-6858</td>
<td><a href="mailto:ambrass@ece.cmu.edu">ambrass@ece.cmu.edu</a></td>
</tr>
<tr>
<td>Andersen, David</td>
<td>Adjunct Professor – ECE</td>
<td>(412)-268-6492</td>
<td><a href="mailto:dga2@andrew.cmu.edu">dga2@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Anna, Shelley L.</td>
<td>Associate Professor – MechE; Affiliated Faculty – DSSC</td>
<td></td>
<td><a href="mailto:sanna@ece.cmu.edu">sanna@ece.cmu.edu</a></td>
</tr>
<tr>
<td>Ambrass, Charlotte</td>
<td>Director of Finance and Sponsored Research – ECE</td>
<td>(412)-268-6858</td>
<td><a href="mailto:ambrass@ece.cmu.edu">ambrass@ece.cmu.edu</a></td>
</tr>
<tr>
<td>Antaki, James</td>
<td>Professor – BME; Courtesy Professor – ECE</td>
<td>(412)-268-8858</td>
<td><a href="mailto:antaki@andrew.cmu.edu">antaki@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Atwell, Niccole</td>
<td>Senior Associate Director of Engagement and Annual Giving – ECE</td>
<td>(412) 268-8858</td>
<td><a href="mailto:atwell@andrew.cmu.edu">atwell@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Bain, Jim</td>
<td>Professor – ECE, MSE; Associate Director – DSSC</td>
<td>(412)-268-3602</td>
<td><a href="mailto:jbain@ece.cmu.edu">jbain@ece.cmu.edu</a></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

**Bauerle, Claire E.** Administrative Coordinator – ECE

**Beckmann, Nathan** Courtesy Professor – ECE; Assistant Professor – CSD

**Belotti, Dave** Shop Machinist – ECE

---

1
Berger, Luc Professor Emeritus – Physics; Affiliated Faculty – DSSC

Bergeres, Mario Assistant
Professor – CEE; Courtesy Professor – ECE

Bhagavatula, Vijayakumar U.A. and Helen Whitaker Professor – ECE; Affiliated Faculty – DSSC; Associate Dean of Faculty and Graduate Affairs – CIT

Keywords

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

Bianchini, Ronald Adjunct Professor – ECE

Keywords

Distributed fault-tolerant computing and computer networks

Bishop, Cathy Instructor – ECE

Blanton, Shawn Professor – ECE

Keywords

Test and diagnosis of heterogeneous, integrated systems

Bollapragada, Vara Post Doctoral Research Associate – ECE

Boni, Dante Equipment Technician – Nanofab

Bosle, Kevin Senior Buyer – ECE

Brown, Timothy X Distinguished Service Professor – EPP, ECE

Brumley, David J. Associate Professor – CS; Director – CyLab; Professor – ECE

Bryant, Randal Professor – CS; Courtesy Professor – ECE

Keywords

Formal hardware and software verification

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

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

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

Chamanzar, Maysam Assistant Professor – ECE
412-268-3390
mchamanz@andrew.cmu.edu

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

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

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

Keywords
Multimedia coding and streaming, computer vision, pattern recognition, computer graphics, multimodal biometrics

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

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

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

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

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

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

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

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

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

Keywords

Hardware and software verification, automatic theorem proving, symbolic computation

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

Contreras, Christina  (412) 268-1120  christina@cs.cmu.edu

Copetas, Catherine  ECE/SCS Office of Engagement and Annual Giving – ECE  412-268-3299  copetas@andrew.cmu.edu

Cowan, Christina  Director of Administrative Services & Office of the Department Head – ECE  412-268-7534  ccowan@andrew.cmu.edu

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

Keywords

Usable privacy and security

D

Datta, Anupam  Associate Professor – CyLab, ECE, CS  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  jmd@cs.cmu.edu

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

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

Echko, Michelle  Financial Analyst – ECE  412-268-2939  mechko@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

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

Keywords
Databases, data mining, multimedia indexing, performance evaluation

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

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

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

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

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

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

Keywords
Molecular beam epitaxy, scanning tunneling microscopy

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

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

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

Keywords
Automatic performance tuning; 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  
Ganger, Greg  Affiliated Faculty – CSD; Jatras  
Professor – ECE, CSD; Director – PDL  
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  
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

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

Golub, Matt  Post Doctoral Research Associate – ECE  
mgolub@andrew.cmu.edu
Gottron, Norman  Process Engineer – Nanofab  (412)-268-4205  ngottron@andrew.cmu.edu

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

Greve, David  Professor Emeritus – ECE  (412)-268-3707  dq07@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

Grue, 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
Hoburg, James Emeritus Faculty – ECE  

Keywords

Electromagnetics, electromechanics, electrohydrodynamics, microfluidics

Hoe, James C. Professor – ECE, CS; Co-Director – CALCM  

Keywords

Computer architecture, high-level hardware description and synthesis

Hoffman, Steve Machine Shop Foreman – ECE

Keywords

Haptics, microassembly, dynamically stable mobile robots

Hong, Jason Courtesy Professor – ECE; Associate Professor – CS

Keywords

power systems, optimization, control, energy networks, decomposition

Hug, Gabriela Adjunct Faculty – ECE

Keywords

Mobile and embedded computing, scalable systems, sensor networks, emergency communications systems

Ilic, Jovan Associate Teaching Professor – ECE

Ilic, Marija Professor – ECE
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 mohammad@andrew.cmu.edu

Jackson, Collin Adjunct Professor – ECE  collin.jackson@sv.cmu.edu
Jahanian, Farnam Vice President for Research – CMU; Courtesy farnam@andrew.cmu.edu

Jhon, Myung S. Professor – ChemE; Affiliated Faculty – DSSC  (412)-268-2233
Jia, Limin Assistant Research Professor – CyLab, INI, ECE  liminjia@andrew.cmu.edu

Keywords

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

Joe-Wong, Carlee Assistant Professor – ECE  cjoewong@andrew.cmu.edu

Keywords

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

Jordan, Angel Emeritus University Professor – ECE, RI  (412)-268-2590

Keywords

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

Joshi, Gauri Adjunct Faculty – ECE  gaurij@andrew.cmu.edu

Keywords

performance analysis, cloud computing, machine learning
Kanade, Takeo U.A. and Helen Whitaker Professor – CS, RI; Courtesy Professor – ECE
(412)-268-3016
tk@cs.cmu.edu

Keywords

Computer vision, autonomous systems, medical robotics

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

Keywords

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

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

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

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

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

Keywords

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

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

Keywords

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

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

Kirby, Reenie Administrative Coordinator – ECE
(412)-268-6579
reenie@cmu.edu
Knickerbocker, Kara
Administrative Coordinator – ECE
(412)-268-2389
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. Professor Emeritus – ECE  (412)-268-3674  lambeth@ece.cmu.edu

Keywords

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

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

Laughlin, David ALCOA 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 Associate Professor – ECE  (412)-268-6507  xinli@ece.cmu.edu

Keywords

Integrated circuits, computer-aided design

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

Lindenfelser, Karen Administrative Manager – PDL; Administrative Coordinator – ECE  (412)-268-6716  karen@ece.cmu.edu

Lohn, Jason D. Adjunct Faculty – ECE  (650)-335-2802  jason.lohn@sv.cmu.edu

Low, Tze Meng Systems Scientist – ECE  (412) 268-5663  lowt@andrew.cmu.edu

Lucia, Brandon Assistant Professor – ECE  (412) 268-3587  blucia@ece.cmu.edu

Lynch, Aydaen Senior Systems & Software Engineer – ECE  (412)-268-5818  alynch@ece.cmu.edu

Mahouski, Michelle Academic Services Coordinator – ECE  (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, Radu Professor – ECE (412)-268-8710
radum@ece.cmu.edu

Keywords
Embedded systems, multicore systems, on-chip communication, low-power design, cyber-physical systems.

Marculescu, Diana David Edward Schramm Professor – ECE; Associate Department Head for Academic Affairs – ECE (412)-268-1167
dianam@ece.cmu.edu

Keywords
VLSI/computer architecture, energy aware computing, CAD for integrated systems

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
Mehdizadeh, Emad Post Doctoral Research Associate – ECE
Mengshoel, Ole Principal Systems Scientist – ECE
Miskov-Zivanov, Natasa Adjunct Faculty – ECE
Moe, Tara Director of Graduate Affairs – ECE
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
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
Moutis, Panayiotis Post Doctoral Research Associate – ECE
Mowry, Todd Professor – CS; Courtesy Professor – ECE; Co-Director – CALCM
Moya, Linda Assistant Teaching Professor – ECE, SDS

Keywords

Technology and policy including climate change and electric power

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

Keywords

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

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
lhmoya@andrew.cmu.edu

Keywords
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

Nace, Bill  Associate Teaching Professor – ECE
Keywords
Digital Design, Embedded Systems, Networks
Narasimhan, Srinivasa  Associate Professor – RI; Courtesy Professor – ECE
Keywords
computational sensors, computer graphics, computer vision, image processing, optics
Narasimhan, Priya  Professor – ECE
Keywords
fault tolerance, distributed systems, embedded systems, mobile systems
Negi, Rohit  Professor – ECE; Affiliated Faculty – DSSC
Keywords
Wireless systems, networking, sensor networks, signal processing, coding for communications, information theory
Nguyen, Kimmy  Event and Project Coordinator – ECE
Noh, Hae Young  Assistant Professor – CEE; Courtesy Professor – ECE
Keywords
O'Hallaron, David
Professor – CS, ECE; Director – Intel Research Pittsburgh
(412)-268-8199
droh@cs.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

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

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

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

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

Keywords

Information and systems security, focusing on network security (internet, mobile computing, and sensor networks) as well as on trusted computing.

Peters, Janet M.  
Manager of Undergraduate Advising – ECE  
(412)-268-3666  
jmpeters@andrew.cmu.edu

Phelps, Shelley  
Senior Administrative Coordinator – ECE  
(412)-268-8162  
sphelps@ece.cmu.edu

Piazza, Gianluca  
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

Platzer, Andre  
Assistant Professor – CS, ECE  
(412)-268-1558  
aplatzer@cs.cmu.edu

Keywords

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

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

Racko, Angela  Finance and Business Associate – ECE
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

Reddy, Raj  Courtesy Professor – ECE; Mozah Bint Nasser University Professor – CS
reddy@cs.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
mrisky@andrew.cmu.edu

Rohrer, Ronald A.  Professor Emeritus – ECE
rohrer@ece.cmu.edu

Keywords
Electronic circuits, systems design automation
Rosvanis, James  Nanofab Technician – Nanofab
(412)-268-1375
rosvanis@andrew.cmu.edu

Rowe, Anthony  Associate Professor – ECE
(412)-268-4856
agr@ece.cmu.edu

Keywords
Embedded systems, distributed systems, sensor networks
Rutenbar, Rob A.  Adjunct Professor – ECE
rutenbar@ece.cmu.edu
Keywords
VLSI CAD, algorithms, analog and digital circuits, automatic speech recognition

Salvador, Paul A. Associate Professor – MSE; Affiliated Faculty – DSSC (412)-268-2026
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

Santos, Augusto Post Doctoral Research Associate – ECE (412)-268-9499
augustos@ece.cmu.edu

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

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

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

Scott, Stephanie Academic Program Advisor – ECE (650)-335-2853
scottsm@andrew.cmu.edu

Sekar, Vyas Assistant Professor – ECE vsekar@ece.cmu.edu

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

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

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

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

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

Shen, John Professor – ECE  

Keywords

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

Siewiorek, Daniel Buhl University  
Professor – HCI, ECE, CSD  

Keywords

Computer architecture, reliability, context aware mobile computing

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  

Keywords

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

Skovira, Holly Administrative Coordinator – ECE  

Keywords

Skowronski, Marek Courtesy Professor – ECE; Professor – MSE; Affiliated Faculty – DSSC  

Keywords

Smailagic, Asim Courtesy Professor – ECE; Research Professor – ICES; Director – LINCS  

21
Keywords

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

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

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

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

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

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

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

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

Keywords

Wireless communications, nanophotonics, spin wave devices

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

Keywords

Computer networks, distributed systems, pervasive computing

Stern, Richard Professor – ECE, LTI, CS, 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

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
talukdar@ece.cmu.edu

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

Tang, Xiaoying
Adjunct Professor – ECE
txiaoyin@ece.cmu.edu

Thomas, Donald
Professor Emeritus – ECE
thomas@ece.cmu.edu

Keywords
Computer-aided design of single chip heterogeneous multiprocessing systems

Tims, Joshua
Systems Administrator – ECE
jtims@ece.cmu.edu

Tomko, Jessica
Admissions Coordinator – ECE
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>

U

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

V

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

Veríssimo, Paulo  Adjunct Professor – ECE  
pjv@di.fc.ul.pt

Vernon, David  Teaching Faculty – ECE  
+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

W

Wang, Kai  Adjunct Professor – ECE  
wangkai@andrew.cmu.edu

Wang, Yao  Post Doctoral Research Associate – ECE  
yaowang@ece.cmu.edu

Wasserman, Anthony  Adjunct Professor – ECE  
(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  Associate Professor – ECE  
(412)-268-6940  
jweldon@ece.cmu.edu

Keywords

Nanoelectronics, Heterogeneous Integration, RF and Analog Integrated Circuits, Biomedical Electronics, Carbon Nanotubes, Graphene
Wen, Tianlong Post Doctoral Research Associate – Physics, DSSC (412)-268-2319
White, Robert M. Emeritus University Professor – ECE, EPP; Affiliated Faculty – DSSC
White@ece.cmu.edu

Keywords
Magnetic nanotechnology

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

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

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

Yu, Zhiyi Adjunct Professor – ECE zhiyiyu@andrew.cmu.edu

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

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

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

Zhang, Jia Associate Teaching Professor – ECE
jia.zhang@sv.cmu.edu

Zhang, Joy Adjunct Professor – ECE
(650)-335-2824
joy@cs.cmu.edu

Zhang, Pei Associate Research Professor – ECE
(650)-335-2823
peizhang@cmu.edu

Keywords
Sensor Networks, Embedded Systems

Zhang, Hui Professor – CS; Courtesy Professor – ECE
(412)-268-8945
hzhang@cs.cmu.edu

Keywords
Computer networks, internet, resource management, multimedia

Zhu, Jimmy ABB
(412)-268-8373
jzhu@ece.cmu.edu
Professor – ECE; Professor – MSE, Physics; Director – DSSC

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