A

Agarwal, Yuvraj  Courtesy Professor – ECE; Assistant Professor – CS (412) 268-7328 yuvraja@andrew.cmu.edu

Alacce, John  Systems Administrator – ECE (412)-268-6649 jalacce@ece.cmu.edu

Ambrass, Charlotte  Associate Director of Finance and Sponsored Research – ECE (412)-268-6858 ambrass@ece.cmu.edu

Andersen, David  Adjunct Professor – ECE (412)-268-6492 dga2@andrew.cmu.edu

Anna, Shelley L.  Associate Professor – MechE; Affiliated Faculty – DSSC (412)-268-8858 sanna@andrew.cmu.edu

Anschuetz, Lou  IT Manager – ECE (412)-268-6817 lou@ece.cmu.edu

Antaki, James  Professor – BME; Courtesy Professor – ECE (412)-268-8858 antaki@andrew.cmu.edu

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

Bain, Jim  Professor – ECE, MSE; Associate Director – DSSC (412)-268-3602 jbain@ece.cmu.edu

Keywords

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

Balram, Nikhil  Adjunct Professor – ECE

Bandola, Judy  Administrative Coordinator – ECE (412)-268-2224 judy@ece.cmu.edu

Bauer, Lujo  Associate Professor – ECE, ISR (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

Belotti, Dave  Shop Machinist – ECE (412)-268-6326 dbelotti@ece.cmu.edu

Benicky, Sheryl  Research Administrator – ECE (412)-268-3729 sbenicky@ece.cmu.edu
Berger, Luc Professor Emeritus – Physics; Affiliated Faculty – DSSC

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; Associate Director – JIE

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

Brown, Timothy X Distinguished Service Professor – ECE, EPP

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
<table>
<thead>
<tr>
<th>Name</th>
<th>Title and Affiliations</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carley, Kathleen</td>
<td>Professor – ISR; Courtesy Professor – ECE</td>
<td>(412)-268-6016</td>
<td><a href="mailto:kathleen.carley@cs.cmu.edu">kathleen.carley@cs.cmu.edu</a></td>
</tr>
<tr>
<td>Carley, Rick</td>
<td>ST Microelectronics; Professor – ECE; Affiliated Faculty – DSSC</td>
<td>(412)-268-3597</td>
<td><a href="mailto:lrc@ece.cmu.edu">lrc@ece.cmu.edu</a></td>
</tr>
<tr>
<td>Chamanzar, Maysam</td>
<td>Assistant Professor – ECE</td>
<td></td>
<td><a href="mailto:mchamanz@andrew.cmu.edu">mchamanz@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Chase, Steven</td>
<td>Courtesy Professor – ECE</td>
<td></td>
<td><a href="mailto:schase@andrew.cmu.edu">schase@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Chen, Tsuhan</td>
<td>Adjunct Professor – ECE</td>
<td></td>
<td><a href="mailto:tsuhan@ece.cmu.edu">tsuhan@ece.cmu.edu</a></td>
</tr>
<tr>
<td>Chen, Xiaoming</td>
<td>Visiting Research Scholar – ECE</td>
<td></td>
<td><a href="mailto:xchen3@andrew.cmu.edu">xchen3@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Chomas, Louis</td>
<td>Research Associate – DSSC; Cleanroom/MEMS Engineer – ECE</td>
<td>(412)-855-9077</td>
<td><a href="mailto:ichomas@andrew.cmu.edu">ichomas@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Chong, Jike</td>
<td>Adjunct Instructor – ECE-SV</td>
<td></td>
<td><a href="mailto:jichong@andrew.cmu.edu">jichong@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Choset, Howie</td>
<td>Professor – RI; Courtesy Professor – ECE</td>
<td>(412)-268-2495</td>
<td><a href="mailto:choset@cs.cmu.edu">choset@cs.cmu.edu</a></td>
</tr>
<tr>
<td>Chraska, Jacqueline</td>
<td>Administrative Coordinator – ECE</td>
<td>(412)-268-3096</td>
<td><a href="mailto:chraska@ece.cmu.edu">chraska@ece.cmu.edu</a></td>
</tr>
<tr>
<td>Christin, Nicolas</td>
<td>Associate Research Professor – EPP; Assistant Research Professor – CyLab;Courtesy Professor – ECE</td>
<td>(412)-268-4432</td>
<td><a href="mailto:nicolasc@andrew.cmu.edu">nicolasc@andrew.cmu.edu</a></td>
</tr>
</tbody>
</table>
Keywords

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

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

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

Keywords

Hardware and software verification, automatic theorem proving, symbolic computation

Collier, Zara Academic Services 412-268-5621
Coordinator – ECE zcollier@andrew.cmu.edu

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

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

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

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

Cowan, Christina Executive Assistant to the Department Head and Administrative (412)-268-7534
Services Manager – ECE lorrie@cs.cmu.edu

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

Keywords

Usable privacy and security

Datta, Anupam Associate danupam@andrew.cmu.edu
Professor – CyLab, ECE, CS

Davis, Robert John and Claire Bertucci (412)-268-7264
Distinguished Professor – MSE; Courtesy Professor – ECE 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
Demby, Lauren Administrative Coordinator – JIE, ECE, DSSC       (412)-268-2650
Idemby@ece.cmu.edu

Dey, Anind K. Associate Professor – HCI; 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
jiand@andrew.cmu.edu

Echko, Michelle Financial Analyst – ECE
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
elgersma@ece.cmu.edu

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

Faloutsos, Christos Professor – CS; Courtesy Professor – ECE
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
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, digital signal processing transforms, advanced architectures

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

Furuta, Masaki
Post Doctoral Research Associate – ECE
mfuruta@ece.cmu.edu

Gamble, Andrew
Laboratory Electronics Supervisor – DSSC
(412)-268-1110
Ganger, Greg  Affiliated Faculty – CSD; Jatras Professor – ECE, CSD; Director – PDL  
Ganger@ece.cmu.edu (412)-268-1297

Keywords

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

Garba, Aminata  Assistant Teaching Professor – ECE  
Garba@ece.cmu.edu (412)-268-8558

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

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

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

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

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

Golub, Matt  Post Doctoral Research Associate – ECE  
Golub@andrew.cmu.edu (412)-268-4205

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

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

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

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 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@ece.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

Hoffman, Steve Machine Shop
Foreman – ECE
(412)-268-2505
hoffman@ece.cmu.edu

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

Hug, Gabriela Adjunct Faculty – ECE
ghug@ece.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 – ECE
(412)-268-9520
milic@ece.cmu.edu

Keywords

Large-scale systems modeling and simulation; power systems control and pricing algorithms; critical infrastructures/interdependencies

Ishihara, Abe Courtesy Professor – ECE
abe.ishihara@sv.cmu.edu

Islam, Mohammad F. Assistant Professor – ChemE, MSE; Courtesy Professor – ECE
(412)-268-8999
mohammad@andrew.cmu.edu
Jackson, Collin  Adjunct Professor – ECE
Jahanian, Farnam  Vice President for Research – CMU; Courtesy Professor – ECE
Jhon, Myung S.  Professor – ChemE; Affiliated Faculty – DSSC
Jia, Limin  Assistant Research Professor – CyLab, INI, ECE

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

Joe-Wong, Carlee  Assistant Professor – ECE

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

Jordan, Angel  Emeritus University Professor – ECE, RI

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

Joshi, Gauri  Adjunct Faculty – ECE

Keywords
performance analysis, cloud computing, machine learning

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

Keywords
Computer vision, autonomous systems, medical robotics

Kar, Soummya  Associate Research Professor – ECE

Keywords
Keywords

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

Kass, Leona Associate 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 (412)-268-6491 kim@ece.cmu.edu

Keywords

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

Kim, Hoe Joon Post Doctoral Research Associate – ECE hoejoonk@andrew.cmu.edu

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

Kirby, Reenie Executive Assistant – JIE (412)-268-6579 reenie@cmu.edu

Knickerbocker, Kara Administrative Coordinator – ECE (412)-268-2389 krk@andrew.cmu.edu

Koeske, Matt Research Administrator – ECE (412)-268-7293 koeske@ece.cmu.edu

Kompalli, Suryaprakash Assistant Teaching Professor – ECE

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

distributed embedded systems, survivable system architecture, dependability

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

Keywords

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

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

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  (412)-268-3513
Professor – ECE; Affiliated Faculty – DSSC  kryder@ece.cmu.edu

Keywords

Magnetic recording, optical recording and ferroelectric materials

Kumar, Swarun S. Assistant  412-268-1892
Professor – ECE  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

Professor – MSE; Courtesy Professor – ECE; Affiliated Faculty – DSSC
Keywords
Magnetic materials, material science, electron microscopy, x-ray diffraction
Leathers, Diana Administrative Coordinator – ECE
Lehman, Philip ECE/SCS Office of Engagement and Annual Giving – ECE
Li, Ming Assistant Professor – JIE; Adjunct Professor – ECE
Li, Xin Associate Professor – ECE

Keywords
Integrated circuits, computer-aided design
Li-Hagerty, Lorraine Business Program Manager – JIE
Lindenfelser, Karen Administrative Manager – PDL; Administrative Coordinator – ECE
Lohn, Jason D. Adjunct Faculty – ECE
Low, Tze Meng Systems Scientist – ECE
Lucia, Brandon Assistant Professor – ECE
Lynch, Aydaen Senior Systems & Software Engineer – ECE

Mahouski, Michelle Academic Services Coordinator – ECE
Mai, Ken Principal Systems Scientist – ECE

Keywords
Digital circuit design, computer architecture, memory design, reconfigurable computing
Majetic, Sara A. Professor – Physics; Courtesy Professor – ECE; Affiliated Faculty – DSSC
Maly, Wojciech Professor Emeritus – ECE
Keywords

Computer-aided design and manufacturing of VLSICs
Marculescu, Radu Professor – ECE  (412)-268-8710
radum@ece.cmu.edu

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

VLSI/computer architecture, energy aware computing, CAD for integrated systems
Maxion, Roy Research Professor – CS; Courtesy Professor – ECE
maxion@cs.cmu.edu

Computer dependability and security; information warfare; intrusion detection; system diagnosis
McCarthy, Jillian M.S. Academic Program Advisor – ECE
jmccart@andrew.cmu.edu

McHenry, Michael E. Professor – MSE; Affiliated Faculty – DSSC
mm7g@andrew.cmu.edu

McKinney, Jim IT Manager – ECE
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

Miskov-Zivanov, Natasa Adjunct Faculty – ECE
nmiskov@andrew.cmu.edu

Mo, Tong Research Assistant – ECE
tongm@andrew.cmu.edu

Moe, Tara Associate Director of Graduate Affairs – ECE
taramoe@ece.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
(412) 268-1470
bmorchow@andrew.cmu.edu

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

Keywords
Technology and policy including climate change and electric power

Morris, James  Professor – CS; Courtesy Professor – ECE
(412)-609-5000
james.morris@sv.cmu.edu

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

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

Moutis, Panayiotis  Post Doctoral Research Associate – ECE
(412) 268-7114
pmoutis@andrew.cmu.edu

Mowry, Todd  Professor – CS; Courtesy Professor – ECE; Co-Director – CALCM
(412)-268-3725
tcm@cs.cmu.edu

Keywords
Computer architecture, compilers, operating systems, parallel processing

Moya, Linda  Assistant Teaching Professor – ECE, SDS
412-268-8364
lhmo@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  
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  
Keywords

Noh, Hae Young  
Assistant Professor – CEE; Courtesy Professor – ECE  

O

O’Hallaron, David  
Professor – CS, ECE; Director – Intel Research Pittsburgh  
Keywords
Scientific computing, parallel computing, computational database systems, and virtualization

Ozdoganlar, O. Burak  
Affiliated Faculty – DSSC; Associate Professor – MechE

Ozdoganlar, Neslihan  
M.S. Academic Program Advisor – ECE

O'Hallaron, David  
Professor – CS, ECE; Director – Intel Research Pittsburgh  
Keywords
Scientific computing, parallel computing, computational database systems, and virtualization

Ozdoganlar, O. Burak  
Affiliated Faculty – DSSC; Associate Professor – MechE

Ozdoganlar, Neslihan  
M.S. Academic Program Advisor – ECE
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  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

**Keywords**

Analog, Mixed-signal and RF/millimeter-wave Integrated Circuit Design, Digitally-assisted analog/RF IC design

Parno, Bryan  Adjunct Professor – ECE  bparno@andrew.cmu.edu

Pasareanu, Corina  Senior Research Scientist – ECE-SV  (650)-604-4767  pcorina@andrew.cmu.edu

Patterson, Carolyn  Administrative Coordinator – ECE  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  adrath@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  
impeters@andrew.cmu.edu

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

**R**

**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

Reyes, Brittany  Academic Services and Student Organizations Coordinator – ECE

Ricketts, David  Adjunct Professor – ECE

Risley, Mason  Process Engineer – Nanofab

Rohrer, Ronald A.  Professor Emeritus – ECE

Rosvanis, James  Nanofab Technician – Nanofab

Rowe, Anthony  Associate Professor – ECE

Rutenbar, Rob A.  Adjunct Professor – ECE

Salvador, Paul A.  Associate Professor – MSE; Affiliated Faculty – DSSC

Sankaranarayanan, Aswin  Assistant Professor – ECE

Santhanam, Suresh  Principal Process Engineer – ECE

Santos, Augusto  Post Doctoral Research Associate – ECE

Satyanarayanan, Mahadev  Carnegie Professor – CS; Courtesy Professor – ECE

Keywords

Nanoscale electronics, nanoscale devices, nonlinear dynamics, analog circuits

Electronic circuits, systems design automation

Embedded systems, distributed systems, sensor networks

VLSI CAD, algorithms, analog and digital circuits, automatic speech recognition

S

(412)-268-2702

(412)-268-1087

(412)-268-2026

(412)-268-9499

(412)-268-3743

reddy@cs.cmu.edu

bjreyes@andrew.cmu.edu

ricketts@ece.cmu.edu

mrisley@andrew.cmu.edu

rohrer@ece.cmu.edu

rosvanis@andrew.cmu.edu

agr@ece.cmu.edu

rutenbar@ece.cmu.edu

paul7@andrew.cmu.edu

saswin@ece.cmu.edu

ss9s@andrew.cmu.edu

augustos@andrew.cmu.edu

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

Sinopoli, Bruno Associate Professor – ECE, RI, MechE (412)-268-9432
brunos@ece.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 Administrative Coordinator – ECE (412) 268-9192
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

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
nnsnizask@andrew.cmu.edu

Sokalski, Vincent Assistant Research Professor – MSE; Affiliated Faculty – DSSC (412)-268-8628
vsokalsk@andrew.cmu.edu
Song, Dawn Adjunct Professor – ECE  
Sreenath, Koushil Courtesy Professor – ECE; Assistant Professor – RI  
Stancil, Daniel Adjunct Professor – ECE  
xds@andrew.cmu.edu  
koushils@andrew.cmu.edu  
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  
mrs@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
Keywords
Autonomous agents, distributed control, power systems, cascading failures
(412)-268-8778
talukdar@ece.cmu.edu

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

Thomas, Donald  Professor
Emeritus – ECE
(412)-268-3545
thomas@ece.cmu.edu

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

Towe, Elias  Professor – ECE; Albert and Ethel Grobstein Memorial Professor – MSE; Director – CNXT
towe@cmu.edu

Treuille, Adrien  Courtesy Professor – ECE; Assistant Professor – CS
treuille@cs.cmu.edu

Ustun, Taha Selim  Assistant Teaching
Professor – ECE
(412)-268-4862
ustun@cmu.edu

Keywords
Power Systems Protection, Communication in Power Networks, Distributed Generation, Microgrids and Smartgrids
Veloso, Manuela  Professor – CS; Courtesy Professor – ECE
Velissimo, Paulo  Adjunct Professor – ECE
Vidal Alvarez, Gabriel  Post Doctoral Research Associate – ECE
Vieira, Deb  Senior Multimedia Designer – ECE
Vieira, Deb  Senior Multimedia Designer – ECE
Wang, Kai  Assistant Professor – JIE; Adjunct Professor – ECE
Wang, Yao  Post Doctoral Research Associate – ECE
Wasserman, Anthony  Adjunct Professor – ECE
Weiler, Mark  Equipment Manager, Nanofabrication Facility – ECE
Weiss, Lee  Courtesy Professor – ECE; Research Professor – RI
Weldon, Jeffrey  Associate Professor – ECE
Wen, Tianlong  Post Doctoral Research Associate – Physics, DSSC
White, Robert M.  Emeritus University Professor – ECE, EPP; Affiliated Faculty – DSSC

Keywords

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

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

Keywords

Magnetic nanotechnology

Will, Regis  Senior Systems Engineer – ECE
Wing, Jeannette M.  President's Professor – CS; Courtesy Professor – ECE
Keywords

Specification, verification, reliability, security, distributed systems, software engineering, programming languages

Woodhead, Vickie Undergraduate Advisor – ECE

(412) 268-4425
woodhead@ece.cmu.edu

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

Yagan, Osman Assistant Research Professor – ECE

(412) 268-3976
oyagan@ece.cmu.edu

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

(412)-268-2235
ydstie@andrew.cmu.edu

Ye, Terry Associate Professor – JIE; Adjunct Professor – ECE
terryye@ece.cmu.edu

Yichye, Shahar Cleanroom Construction Protocol Manager – ECE

syichye@andrew.cmu.edu

Yu, Zhiyi Adjunct Professor – ECE; Associate Professor – JIE

zhiyi@andrew.cmu.edu

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

(412)-268-9658
byronyu@cmu.edu

Zhang, Jia Associate Teaching Professor – ECE

jia.zhang@sv.cmu.edu

Zhang, Joy Adjunct Professor – ECE

(650)-335-2824
Zhang, Pei  Associate Research Professor – ECE  
(650)-335-2823  
joy@cs.cmu.edu  
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  Co-Director – JIE; ABB  
(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