**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

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

**Ausavarungnirun, Rachata**
Post Doctoral Research Associate – ECE
rausavar@andrew.cmu.edu

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

**Bauer, Lujo**
Associate Professor – ISR, ECE
(412)-268-9745 
lbauer@cmu.edu

**Bauerle, Claire E.**
Administrative Coordinator – ECE
(412)-268-7422 
cbauerle@ece.cmu.edu

**Keywords**

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

**Balram, Nikhil**
Adjunct Professor – ECE

**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 (412)-268-2919
Emeritus – Physics; Affiliated Faculty – DSSC  lberger@andrew.cmu.edu

Berges, Mario  Assistant 412-268-4572
Professor – CEE; Courtesy Professor – ECE  marioberges@cmu.edu

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

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

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

Keywords
Distributed fault-tolerant computing and computer networks

Birntrim, 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 – CS; Director – CyLab; Professor – ECE (412)-268-3851  dbrumley@ece.cmu.edu

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

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

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

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

Keywords

CAD and design of analog signal processing circuits and MEMS systems
Carlisle, Martin
Teaching Professor – INI; Director of Academic Affairs – INI; Courtesy Professor – ECE (650)-335-2853
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 yuejie@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  
(412)-268-3729  
fcondess@andrew.cmu.edu

**Conley, Kelley** Research Administrator – ECE  
(412)-268-3299  
kellyc@andrew.cmu.edu

**Copetas, Catherine** ECE/SCS Office of Engagement and Annual Giving – ECE  
(412)-268-7534  
copetas@andrew.cmu.edu

**Cowan, Christina** Director of Administrative Services & Office of the Department Head – ECE  
(412)-268-3299  
ccowan@andrew.cmu.edu

**Cranor, Lorrie F.** Professor – ISR, EPP; Courtesy Professor – ECE  
(412)-268-7534  
lorrie@cs.cmu.edu

**Keywords**

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

**Datta, Anupam** Associate Professor – CyLab, ECE  
(412)-268-7264  
danupam@andrew.cmu.edu

**Davis, Robert** John and Claire Bertucci Distinguished Professor – MSE; Courtesy Professor – ECE  
(412)-268-8157  
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  
Keywords  
mobile and space robotics, human-robot interaction, mechatronics, automated manufacturing  
(412)-268-7988  jmd@cs.cmu.edu  
Du, Jian  Post Doctoral Research Associate – ECE  
(412)-268-3052  jiand@andrew.cmu.edu  
Eckhardt, Dave  Courtesy  
Professor – ECE; Assistant Teaching Professor – CS  
Elgersma, Steve  Senior Systems & Software Engineer – ECE  
(412)-268-9531  elgersma@ece.cmu.edu  
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  
(412)-268-1457  christos@cs.cmu.edu  
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)-268-4745  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 Faculty – CSD; Jatras Professor – ECE, CSD; Director – PDL (412)-268-1297 ganger@ece.cmu.edu

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

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

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

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

Ghose, Saugata Systems Scientist – ECE (412)-268-9192 saugata@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

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

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

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

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

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

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

Greve, David Professor Emeritus – ECE (412)-268-3707 dg07@andrew.cmu.edu

Keywords
Semiconductor device physics and semiconductor process technology, sensors
Grieco, Patricia L. Administrative Manager – DSSC
(412)-268-6429 pg1q@andrew.cmu.edu

Griss, Martin L. Adjunct Professor – ECE
(650)-335-2805 martin.griss@west.cmu.edu

Grover, Pulkit Assistant Professor – ECE
412-268-3644 pgrover@ece.cmu.edu

Grupe, Alan Senior Facilities Manager – ECE
(412)-268-2526 alan@ece.cmu.edu

Harchol-Balter, Mor Associate Professor – CS; Courtesy Professor – ECE
(412)-268-7893 harchol@andrew.cmu.edu

Keywords
Scheduling of computer systems, workload characterization, heavy-tailed distributions

Harding, Meighan Senior Director of Operations – ECE
(412)-268-8924 meighan.harding@ece.cmu.edu

Higgs III, Fred Professor – MechE; Courtesy Professor – ECE
(412)-268-2486 higgs@andrew.cmu.edu

Keywords
Tribology, nanomanufacturing, multi-scale particle flows

Hills, Alex Distinguished Service Professor – EPP; Courtesy Professor – ECE
(907)-232-6088 ahills@cmu.edu

Keywords
Research in wireless technology and telecommunications policy

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

Hoburg, James Emeritus Faculty – ECE
(412)-268-2473 hoburg@ece.cmu.edu

Keywords
Electromagnetics, electromechanics, electrohydrodynamics, microfluidics

Hoe, James C Professor – ECE, CS; Co-Director – CALCM
(412)-268-4259 jhoe@cmu.edu
Keywords

Computer architecture, high-level hardware description and synthesis

Hollis, Ralph L. Research Professor – RI; Courtesy Professor – ECE
(412)-268-8264
rhollis@cs.cmu.edu

Keywords

Haptics, microassembly, dynamically stable mobile robots

Hong, Jason Courtesy Professor – ECE; Associate Professor – CS
jasonh@cs.cmu.edu

Keywords

power systems, optimization, control, energy networks, decomposition

Iannucci, Bob Director – CyLab Mobility Research Center; Distinguished Service Professor – ECE, Carnegie Mellon Silicon Valley
(650) 714 1200
roberti@andrew.cmu.edu

Keywords

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

Ilic, Jovan Associate Teaching Professor – ECE
(412)-268-3943
jilic@ece.cmu.edu

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

Keywords

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

Jayan, B. Reeja Courtesy Professor – ECE
bjayan@andrew.cmu.edu
Jhon, Myung S. Professor – ChemE; Affiliated Faculty – DSSC  
Jia, Limin Assistant Research Professor – CyLab, INI, ECE  
Keywords  
Language-based security, programming languages, logic and program verification.  
Jia-Wong, Carlee Assistant Professor – ECE  
Keywords  
Network economics and pricing, cloud computing, mobile/edge computing

Johnson, Aaron Courtesy Professor – ECE, RI; Assistant Professor – MechE  
Jordan, Angel Emeritus University Professor – ECE, RI  
Keywords  
Robotics, Innovation, and Software Engineering, focusing on Technological Change and Technology Transfer  
Joshi, Gauri Assistant Professor – ECE  
Keywords  
Performance analysis, cloud computing, machine learning  

K  
Kainerstorfer, Jana Courtesy Professor – ECE  
Kanade, Takeo U.A. and Helen Whitaker Professor – CS, RI; Courtesy Professor – ECE  
Keywords  
Computer vision, autonomous systems, medical robotics  
Kar, Soumya Associate Research Professor – ECE  

K
Keywords

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

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

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

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

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

Keywords

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

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

Keywords

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

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

Kitani, Kris Courtesy Professor – ECE; Assistant Research Professor – RI kmkitani@andrew.cmu.edu

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

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

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

Kompalli, Suryaprakash Assistant Teaching Professor – ECE skompall@andrew.cmu.edu

Koopman, Philip Associate Professor – ECE, CS (412)-268-5225 koopman@cmu.edu
Keywords
distributed embedded systems, survivable system architecture, dependability
 Kovacevic, Jelena Hamerschlag
 University Professor – ECE; University Professor – BME

Keywords
Signal processing, biomedical, wavelets, frames, multiresolution, communications
 Kozuch, Michael A. Adjunct Professor – ECE
 Krogh, Bruce H. Professor – ECE

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

Keywords
Magnetic recording, optical recording and ferroelectric materials
 Kumar, Swarun S. Assistant Professor – ECE
 Kurpiewski, Matthew Systems Administrator – ECE

Keywords
Physical and chemical sensors, transducers, MEMS, magnetism, materials, thin films, data storage and RF devices
 Lane, Ian R. Associate Research Professor – ECE
 Laughlin, David ALCOA Professor – MSE; Courtesy Professor – ECE; Affiliated Faculty – DSSC
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
(412)-268-6507

Li, Xin Adjunct Faculty – ECE 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

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

Lynch, Aydaen Principal Systems and Software Engineer – ECE (412)-268-5818
alyanch@ece.cmu.edu

Keywords

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

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

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

Keywords

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

Marculescu, Radu  Professor – ECE  
(412)-268-8710  
radum@ece.cmu.edu

Keywords

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

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

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

Keywords

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

McCarthy, Jillian  M.S. Academic Program  
Advisor – ECE  
(412) 268-3077  
jrmccart@andrew.cmu.edu

McHenry, Michael E.  Professor – MSE; Affiliated  
Faculty – DSSC  
(412)-268-2703  
mm7g@andrew.cmu.edu

McKinney, Jim  IT Manager – ECE  
(412)-268-5141  
jmck@ece.cmu.edu

Mehdizadeh, Emad  Post Doctoral  
Research Associate – ECE  
(412)-268-9873  
emehdiza@ece.cmu.edu

Mengshoel, Ole  Principal Systems  
Scientist – ECE  
ole.mengshoel@sv.cmu.edu

Metcalf, David  Senior Linux  
Engineer – ECE  
(412)-268-6327  
dmetcalf@andrew.cmu.edu

Miskov-Zivanov, Natasa  Adjunct  
Faculty – ECE  
(412)-268-9873  
nmiskov@andrew.cmu.edu

Moe, Tara  Director of Graduate  
Affairs – ECE  
(412)-268-6327  
taramoe@ece.cmu.edu

Mohimani, Hosein  Courtesy  
Professor – ECE; Assistant  
Professor – CBD  
hoseinm@andrew.cmu.edu
Moneck, Matthew Executive Manager, ECE Nanofabrication Facility – Nanofab; Research Scientist – DSSC  
(412)-268-5430 mmoneck@andrew.cmu.edu

Morchower, Bari Student Organizations and Activities Advisor – ECE  
(412) 268-1470 bmorchow@andrew.cmu.edu

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

Morgan, Jose 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

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

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

Mutlu, Onur Adjunct Professor – ECE  
onur@cmu.edu
Keywords

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

Nace, Bill
Associate Teaching Professor – ECE
(412)-268-7027
wnace@cmu.edu

Keywords

Digital Design, Embedded Systems, Networks
Narasimhan, Priya
Professor – ECE
(412)-268-8801
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

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

Keywords

Scientific computing, parallel computing, computational database systems, and virtualization

O’Hallaron, David
Professor – CS, ECE; Director – Intel Research Pittsburgh
(412)-268-8199
droh@cs.cmu.edu
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 Assistant Teaching Professor – ECE cecile.peraire@sv.cmu.edu

Püschel, Markus Adjunct Professor – ECE (412)-268-3804 pueschel@ece.cmu.edu

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

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 – 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 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.

**Phelps, Shelley** Finance and Business Associate – ECE

(412) 268-8745
sphelps@andrew.cmu.edu

**Piazza, Gianluca** (Gian) Professor – ECE; Director – Nanofab

(412)-268-7762
piazza@ece.cmu.edu

**Keywords**

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

**Pileggi, Larry** Tanoto Professor – ECE

(412)-268-6774
pileggi@ece.cmu.edu

**Keywords**

Design, implementation and modeling of electronic integrated systems

**Pileggi, Leah** Professional Writer – ECE; Professional Assistant – ECE

leahp1@andrew.cmu.edu

**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 bhiksha@cs.cmu.edu
Professor – ECE; Associate
Professor – LTI

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

Rengarajan, Vijay  Post Doctoral Research vangarai@andrew.cmu.edu
Associate – ECE

Reyes, Brittany  Academic Services and
Student Organizations Coordinator – ECE

Ricketts, David  Adjunct Professor – ECE ricketts@ece.cmu.edu

Keywords

Nanoscale electronics, nanoscale devices, nonlinear dynamics, analog circuits

Risley, Mason  Process mrisley@andrew.cmu.edu
Engineer – Nanofab

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

Keywords

Electronic circuits, systems design automation

Rosvanis, James  Nanofab (412)-268-1375
Technician – Nanofab rosvanis@andrew.cmu.edu

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

Keywords

Embedded systems, distributed systems, sensor networks

Rutenbar, Rob A.  Adjunct Professor – ECE rutenbar@ece.cmu.edu

Keywords

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

S

Caruso, Stephanie  Academic Program (650)-335-2853
Advisor – ECE 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  
(412)-268-8734  
srini@cmu.edu

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

Shah, Nihar Assistant Professor – MLD, CSD; Courtesy Professor – ECE  
nihars@andrew.cmu.edu

Shen, John Professor – ECE  
jpshen@cmu.edu
Keywords
Modern superscalar processor design, instruction-level parallelism and code scheduling
Siewiorek, Daniel Buhl University (412)-268-2570
dps@ece.cmu.edu

Keywords
Computer architecture, reliability, context aware mobile computing
Singh, Rita Courtesy rsingh@andrew.cmu.edu
Professor – ECE; Senior Systems Scientist – LTI
(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 Senior Administrative Coordinator – ECE (412) 268-8162
hskovira@andrew.cmu.edu

Keywords
Mobile computing, computer architecture, system design methods, wearable computers
Skowronski, Marek Courtesy Professor – ECE; Professor – MSE; Affiliated Faculty – DSSC (412)-268-7863
asim@ices.cmu.edu
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

Smizaski, 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 vsokalski@andrew.cmu.edu

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

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

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

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

Stevens, Dave Facilities Assistant – ECE  412-268-2470 daves@andrew.cmu.edu

Stevenson, Kayleigh Finance and Business Associate – ECE  (412)-268-8745 kayleigh@ece.cmu.edu

Strojwas, Andrzej Keithley Professor – ECE  (412)-268-3530 ajs@ece.cmu.edu

Stern, Richard Professor – ECE, LTI, CS, BME; Lecturer – Music  (412)-268-2535 rms@ece.cmu.edu

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

Keywords

Statistically based CAD/CAM of VLSI circuits
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

Talukdar, Sarosh Professor Emeritus – ECE
talukdar@ece.cmu.edu

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

Tayur, Sridhar Courtesy Professor – ECE; Professor – Tepper
stayur@andrew.cmu.edu
(412)-268-3545

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

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

Towe, Elias Professor – ECE; Albert and Ethel Grobstein Memorial Professor – MSE; Director – CNXT
(412)-268-8091
towe@cmu.edu

Keywords
Network security; Wireless networking
Tague, Patrick Associate Research Professor – CyLab, INI, ECE
(650)-335-2827
patrick.tague@sv.cmu.edu

Talukdar, Sarosh Professor Emeritus – ECE
talukdar@ece.cmu.edu

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

Tayur, Sridhar Courtesy Professor – ECE; Professor – Tepper
stayur@andrew.cmu.edu
(412)-268-3545

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

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

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.

Ustun, Taha Selim Assistant Teaching Professor – ECE +250 78 659 24 78 tahas@andrew.cmu.edu

Keywords

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

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

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

Velasquez, Richard Post Doctoral Research Associate – ECE rveras@andrew.cmu.edu

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

Wang, Kai Adjunct Professor – ECE wangkai@andrew.cmu.edu (650)-335-2807

Wasserman, Anthony Adjunct Professor – ECE 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

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

Keywords

Micromagnetics, magnetoelectronic devices, magnetic recording

Ziccardi, Chad
Principal Systems Engineer – ECE
(412)-268-4453
ziccardi@ece.cmu.edu

Zurcher, Elaine
Systems Administrator – ECE
(412)-268-1210
egadd@ece.cmu.edu