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

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

Alvarez, Renee | Senior Administrative Assistant – ECE
RCALVARE@andrew.cmu.edu

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

Amos, Rachel | Manager of Undergraduate Advising – ECE
(412) 268-3666
ramos2@andrew.cmu.edu

Amvrosiadis, George | Assistant Research Professor – ECE
gamvrosi@andrew.cmu.edu

Andersen, David | Adjunct Professor – ECE
dga2@andrew.cmu.edu

Anna, Shelley L. | Associate Professor – MechE; Affiliated Faculty – DSSC
(412)-268-6492
sanna@andrew.cmu.edu

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

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

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

Balram, Nikhil | Adjunct Professor – ECE
(412)-268-2224
judy@ece.cmu.edu

Bandola, Judy | Administrative Coordinator – ECE
(412)-268-9745
lbauer@cmu.edu

Bauer, Lujo | Associate Professor – ISR, ECE
(412)-268-7422
cbauerle@ece.cmu.edu

Bauerle, Claire E. | Administrative Coordinator – ECE
beckmann@cs.cmu.edu

Beckmann, Nathan | Courtesy Professor – ECE; Assistant Professor – CSD
Berger, Luc  Professor Emeritus – Physics; Affiliated Faculty – DSSC  
Berges, Mario  Assistant Professor – CEE; Courtesy Professor – ECE  
Bhaqavatula, Vijayakumar  U.A. and Helen Whitaker Professor – ECE; Affiliated Faculty – DSSC; Associate Dean of Faculty and Graduate Affairs – CIT

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

Bianchini, Ronald  Adjunct Professor – ECE  

Keywords
Distributed fault-tolerant computing and computer networks

Bintrim, Grace  Administrative Coordinator – ECE  
Bishop, Cathy  Instructor – ECE  
Blanton, Shawn  Professor – ECE

Keywords
Test and diagnosis of heterogeneous, integrated systems

Bollapragada, Vara  Post Doctoral Research Associate – ECE  
Boni, Dante  Equipment Technician – Nanofab  
Bosle, Kevin  Senior Buyer – ECE

Keywords
Formal hardware and software verification

Brown, Timothy X  Distinguished Service Professor – EPP, ECE

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

Bryant, Randal  Professor – CS; Courtesy Professor – ECE
Burns, Krista Communications
Manager – ECE
(412)-268-5316
kgregan@ece.cmu.edu

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

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

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

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

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

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

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

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

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

Choset, Howie
Professor – RI; Courtesy Professor – ECE
(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

**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

**Cominos, Lenna** Corporate Relations – ECE

**Condeessa, Filippe** Post Doctoral Research Associate – ECE

**Conley, Kelley** Research Administrator – ECE

**Copetas, Catherine** ECE/SCS Office of Engagement and Annual Giving – ECE

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

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

**Keywords**

Usable privacy and security

**Datta, Anupam** Associate Professor – CyLab, ECE

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

**Decker, Dave** Manager of Web Development Services – ECE

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

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

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

**Keywords**

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

**Du, Jian** Post Doctoral Research Associate – ECE

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

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

**Elgersma, Steve** Senior Systems & Software Engineer – ECE

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

**Erdogmus, Hakan** Associate Teaching Professor – ECE

hakan.erdogmus@sv.cmu.edu

**Ervin, Allison** Administrative Coordinator – ECE

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

**Faloutsos, Christos** Professor – CS; Courtesy Professor – ECE

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

**Falsafi, Babak** Adjunct Professor – ECE, CS

babak.falsafi@epfl.ch

Keywords
Databases, data mining, multimedia indexing, performance evaluation

**Fanti, Giulia** Assistant Professor – ECE

gfanti@andrew.cmu.edu

**Fassinger, Dan P.** IT Manager – ECE

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

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

(412)-268-8443
fedder@ece.cmu.edu
Keywords

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

Feenstra, Randy  Professor – Physics; Courtesy Professor – ECE  (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  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  (412)-268-1110  jagamble@ece.cmu.edu
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@ece.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

Gkioulekas, Ioannis  Courtesy Professor – ECE; Assistant Professor – RI (412)-268-9833
igkioule@andrew.cmu.edu

Gligor, Virgil  Professor – ECE; Co-Director – CyLab 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

**He, Bin** Courtesy Professor – ECE; Professor – BME; Department Head – BME
(412)-268-2486
bhe1@andrew.cmu.edu

**Higgs III, Fred** Professor – MechE; Courtesy Professor – ECE
higgs@andrew.cmu.edu

Keywords
Tribology, nanomanufacturing, multi-scale particle flows

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

Keywords
Research in wireless technology and telecommunications policy

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

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

Electromagnetics, electromechanics, electrohydrodynamics, microfluidics

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

Keywords

Computer architecture, high-level hardware description and synthesis

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

Keywords

Haptics, microassembly, dynamically stable mobile robots

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

Keywords

power systems, optimization, control, energy networks, decomposition

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

Keywords

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

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

Ilic, Marija, Professor Emeritus – ECE
milic@ece.cmu.edu

Keywords

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

Ishihara, Abe, Courtesy Professor – ECE
abe.ishihara@sv.cmu.edu
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
mj3a@andrew.cmu.edu

Jia, Limin
Assistant Research Professor – CyLab, INI, ECE
liminjia@andrew.cmu.edu

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

Joe-Wong, Carlee
Assistant Professor – ECE
650-335-2832
cjoewong@andrew.cmu.edu

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

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

Jordan, Angel
Emeritus University Professor – ECE, RI
ajordan@cs.cmu.edu

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

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

performance analysis, cloud computing, machine learning

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

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 Professor – ECE (412)-268-8962

Keywords

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

Kass, Leona Director of Student and Academic Affairs – ECE (412)-268-2496

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

Keywords

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

Kimukin, Ibrahim Research Associate – ECE (412)-268-9013

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

Koeske, Matt Research Administrator – ECE (412)-268-7293


Kompalli, Suryaprakash Assistant Teaching Professor – ECE  
koeske@ece.cmu.edu  
+250 78 484 08 55  

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

Keywords  
distributed embedded systems, survivable system architecture, dependability  

Kova#evi# , 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 Professor – ECE  
mkozuch@andrew.cmu.edu  
Krogh, Bruce H. Professor – ECE  
krogh@ece.cmu.edu  
(412)-268-2472  

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  
kryder@ece.cmu.edu  
(412)-268-3513  

Keywords  
Magnetic recording, optical recording and ferroelectric materials  

Kumar, Swarun S. Assistant Professor – ECE  
swarun@cmu.edu  
412-268-1892  

Kurpiweski, Matthew Systems Administrator – ECE  
mkurt@andrew.cmu.edu  
(412) 268-1973  

Lambeth, David N. Professor Emeritus – ECE  
lambeth@ece.cmu.edu  
(412)-268-3674
Keywords

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

Lane, Ian R. Associate Research Professor – ECE
iانlane@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
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, Qing Adjunct Faculty – ECE
gingli2@andrew.cmu.edu

Li, Xin Adjunct Faculty – ECE
(412)-268-6507
xinli@ece.cmu.edu

Keywords

Integrated circuits, computer-aided design

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

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

Low, Tze Meng Assistant Research Professor – ECE
(412) 268-6756
lowt@andrew.cmu.edu

Lu, Canyi Post Doctoral Research Associate – ECE
canyil@andrew.cmu.edu

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

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

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

Mai, Ken Principal Systems Scientist – ECE
(412)-268-8335
kenmai@ece.cmu.edu
Keywords
Digital circuit design, computer architecture, memory design, reconfigurable computing

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

Maly, Wojciech Professor Emeritus – ECE  
(412)-268-6637  
maly@ece.cmu.edu

Keywords
Computer-aided design and manufacturing of VLSICs

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

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

Marculescu, Radu  
Kav#i#-Moura  
Professor of Electrical & Computer Engineering – ECE  
(412)-268-8710  
radum@ece.cmu.edu

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

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

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

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

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

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

McKinney, Jim  
IT Manager – ECE  
(412)-268-5141  
jmck@ece.cmu.edu
Mehdizadeh, Emad  Post Doctoral Research Associate – ECE  emehdiza@ece.cmu.edu
Mengshoel, Ole  Principal Systems Scientist – ECE  ole.mengshoel@sv.cmu.edu
Metcalf, David  Senior Linux Engineer – ECE  dmetcalf@andrew.cmu.edu
Miskov-Zivanov, Natasa  Adjunct Faculty – ECE  (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

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
lhmoya@andrew.cmu.edu

Mukherjee, Tamal Professor – ECE
(412)-268-8522
tamal@ece.cmu.edu

Keywords

Analog/RF/MEMS/biofluidic microsystem design

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

Keywords

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

N

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

Keywords

Digital Design, Embedded Systems, Networks

Narasimhan, Priya Professor – ECE
(412)-268-8801
priya@cs.cmu.edu

Keywords

fault tolerance, distributed systems, embedded systems, mobile systems

Narasimhan, Srinivasa Associate Professor – RI; Courtesy Professor – ECE
412-268-1199
srinivas@andrew.cmu.edu

Keywords

computational sensors, computer graphics, computer vision, image processing, optics

Negi, Rohit Professor – ECE; Affiliated Faculty – DSSC
(412)-268-6264
negi@ece.cmu.edu

Keywords

Wireless systems, networking, sensor networks, signal processing, coding for communications, information theory

Nguyen, Kimmy Event and Project Coordinator – ECE
(412) 268-7138
myn@andrew.cmu.edu
Noel, Margaret  
Associate Director of Alumni Relations and Annual Giving – ECE  
412-268-7202  
mnoel@andrew.cmu.edu

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

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

Keywords

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

Oliver, Megan  
Academic Services Coordinator – ECE  
412-268-5621  
mvoliver@andrew.cmu.edu

Ozdoganlar, O. Burak  
Affiliated Faculty – DSSC; Associate Professor – MechE  
(412)-268-9890  
ozdoganlar@cmu.edu

Ozdoganlar, Neslihan  
M.S. Academic Program Advisor – ECE  
(412)-268-6581  
eslio@andrew.cmu.edu

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

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

Keywords

Fast computing, algorithms, applied mathematics, and signal processing (theory, software, hardware)

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

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

Pandey, Manish  
Adjunct Faculty – ECE  
mpandey@andrew.cmu.edu

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

Keywords

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

Parno, Bryan  
Associate Professor – ECE, CSD  
(412) 268-2033
**Keywords**

Telecommunications, wireless networks, internet, spectrum management, communications for homeland security, electronic commerce, developing countries, universal service, security

**Penderville, JT** Audio Visual & Distance Communications Manager – ECE  
(412) 268-6555  
itpender@andrew.cmu.edu

**Perrig, Adrian** Adjunct  
Professor – ECE; Professor – EPP, CS; Technical Director – CyLab  
(412)-268-2242  
adrian@ece.cmu.edu

**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

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

**Pileggi, Leah** Professional Writer – ECE; Professional Assistant – ECE  
leahp1@andrew.cmu.edu
Platzer, Andre
Assistant Professor – CSD; Associate Professor – ECE

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

Racko, Angela
Finance and Business Associate – ECE

Rajkumar, Raj
Professor – ECE, CSD; Co-Director – GM-CM CRL; Director – Real-Time and Multimedia Systems Laboratory

Keywords
Embedded and real-time systems

Ramakrishnan, Bhiksha Raj
Courtesy Professor – ECE; Associate Professor – LTI

Ramsey, Erika
Temporary Employee Services - Finance and Business Associate – ECE

Reddy, Raj
Courtesy Professor – ECE; Mozah Bint Nasser University Professor – CS

Rengarajan, Vijay
Post Doctoral Research Associate – ECE

Reyes, Brittany
Academic Services and Student Organizations Coordinator – ECE

Ricketts, David
Adjunct Professor – ECE

Keywords
Nanoscale electronics, nanoscale devices, nonlinear dynamics, analog circuits

Rohrer, Ronald A.
Professor Emeritus – ECE

Risley, Mason
Process Engineer – Nanofab

Rohrer, Ronald A.
Professor Emeritus – ECE
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)-268-2702 paul7@andrew.cmu.edu
Sankaranarayanan, Aswin Assistant Professor – ECE (412)-268-1087 saswin@ece.cmu.edu
Santhanam, Suresh Principal Process Engineer – ECE (412)-268-2026 ss9s@andrew.cmu.edu
Satyanarayanan, Mahadev Carnegie Professor – CS; Courtesy Professor – ECE (412)-268-3743 satya@cmu.edu
Savvides, Marios Research Professor – ECE; Director – CyLab Biometrics Center (412)-268-1142 marioss@andrew.cmu.edu

Keywords

Biometric identification, Cyber-Physical Security, Authentication, Pattern recognition
Schlesinger, T.E. (Ed) Adjunct Professor – ECE ed@ece.cmu.edu

Keywords

Semiconductor devices, information storage, optoelectronic systems
Schneider, Jeff Research Professor – RI; Courtesy Professor – ECE jeff4@andrew.cmu.edu
Sekar, Vyas Assistant Professor – ECE vsekar@ece.cmu.edu
Keywords

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

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

Keywords

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

Shah, Nihar Assistant Professor – MLD, CSD; Courtesy Professor – ECE

Keywords

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

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

Keywords

Computer architecture, reliability, context aware mobile computing

Singh, Rita Courtesy Professor – ECE; Senior Systems Scientist – LTI

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  Senior Administrative Coordinator – ECE (412) 268-8162
hskovira@andrew.cmu.edu

Skowronski, Marek  Courtesy Professor – ECE; Professor – MSE; Affiliated Faculty – DSSC (412)-268-2710
ms3s@andrew.cmu.edu

Smailagic, Asim  Courtesy Professor – ECE; Research Professor – ICES; Director – LINCS (412)-268-7863
asim@ices.cmu.edu

Keywords

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

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

Smitley, Brandon  Linux Engineer – ECE 412-268-5716
bsmitley@andrew.cmu.edu

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

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

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

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

Sreenath, 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, CSD, BME; Lecturer – Music (412)-268-2535
rms@ece.cmu.edu
Keywords
Automatic speech recognition, auditory perception, signal processing

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

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

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

Keywords
Statistically based CAD/CAM of VLSI circuits

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

Keywords
Audio signal processing, music and sound recording applications

Sundar, Vignesh  Post Doctoral Research Associate – DSSC
vigneshs@andrew.cmu.edu

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

Keywords
Network security; Wireless networking

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

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

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

Taylor, Rebecca  Assistant Professor – MechE; Courtesy Professor – ECE
bex@andrew.cmu.edu

Tayur, Sridhar  Courtesy Professor – ECE; Professor – Tepper
stayur@andrew.cmu.edu

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

Computer-aided design of single chip heterogeneous multiprocessing systems

**Tims, Joshua** Systems Administrator – ECE
(412)-268-5888
jtims@ece.cmu.edu

**Tomko, Jessica** Admissions Coordinator – ECE
(412)-268-4786
jtomko@andrew.cmu.edu

**Tonguz, Ozan** Professor – ECE
(412)-268-5991
tonguz@ece.cmu.edu

Keywords

Optical networks, wireless networks and communications systems, and high-speed networking

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

Keywords

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

**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

**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  rwill@andrew.cmu.edu

Woodhead, Vickie  Undergraduate Advisor – ECE  woodhead@ece.cmu.edu

X

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

Y

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

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

Ydstie, B. Erik  Professor – ChemE; Courtesy Professor – ECE  ydstie@andrew.cmu.edu

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

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

Yu, Byron  Associate Professor – ECE; Assistant Professor – BME  byronyu@cmu.edu
Keywords

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

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

Keywords

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

Z

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

Keywords

Computer networks, internet, resource management, multimedia

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

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

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

Keywords

Sensor Networks, Embedded Systems

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

Keywords

Micromagnetics, magnetoelectronic devices, magnetic recording

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

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