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

Alacce, John  Systems Administrator – ECE  
(jalacce@ece.cmu.edu) 

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

Ambass, Charlotte  Director of Finance and Sponsored Research – ECE  
(ambrass@ece.cmu.edu) 

Amos, Rachel  Manager of Undergraduate Advising – ECE  
(ramos2@andrew.cmu.edu) 

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

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

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

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

Bain, Jim  Professor – ECE, MSE; Associate Director – DSSC  
(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  
(judy@ece.cmu.edu) 

Bauer, Lujo  Associate Professor – ISR, ECE  
(lbauer@cmu.edu) 

Keywords  
Computer security, access control, program monitoring, security automata, policy specification  

Bauerle, Claire E.  Administrative Coordinator – ECE  
(cbaauerle@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
Berges, Mario  Assistant                  412-268-4572
Professor – CEE; Courtesy Professor – ECE
Bhagavatula, Vijayakumar  U.A. and Helen Whitaker Professor – ECE; Affiliated Faculty – DSSC; Associate Dean of Faculty and Graduate Affairs – CIT

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

Bianchini, Ronald  Adjunct                (412)-968-9110
Professor – ECE

Keywords
Distributed fault-tolerant computing and computer networks

Bintrim, Grace  Administrative            (412) 268-9192
Coordinator – ECE
Bishop, Cathy  Instructor – ECE          mcbishop@andrew.cmu.edu
Blanton, Shawn  Professor – ECE          (412)-268-2987

Keywords
Test and diagnosis of heterogeneous, integrated systems

Bollapragada, Vara  Post Doctoral          sbollapr@ece.cmu.edu
Research Associate – ECE
Boni, Dante  Equipment                     (412)-268-2234
Technician – Nanofab
Bosle, Kevin  Senior Buyer – ECE          (412)-268-9642

Keywords
Formal hardware and software verification

Brown, Timothy X  Distinguished Service Professor – EPP, ECE  +250 78 767 40 62
Brumley, David J.  Associate Professor – CS; Director – CyLab; Professor – ECE
Bryant, Randal  Professor – CS; Courtesy Professor – ECE

Keywords
Burns, Krista Communications Manager – ECE (412)-268-5316 kgregan@ece.cmu.edu

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

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

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

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

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 Adjunct Professor – ECE yuejiec@andrew.cmu.edu

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

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

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

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

Christin, Nicolas Associate Research Professor – EPP; Assistant Research (412)-268-4432 nicolasc@andrew.cmu.edu
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 (412)-268-4035 pil@cmu.edu

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

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

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

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

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

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

Keywords

Usable privacy and security

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

Davis, Robert John and Claire Bertucci Distinguished Professor – MSE; Courtesy Professor – ECE (412)-268-7264 rfd@andrew.cmu.edu

Decker, Dave Manager of Web Development Services – ECE (412)-268-8157 ddecker@andrew.cmu.edu

De La Torre Frade, Fernando Courtesy Professor – ECE; Research Scientist – RI ftorre@cs.cmu.edu

Dey, Anind K. Associate Professor – HCII; Courtesy Professor – ECE anind@cs.cmu.edu

Dolan, John Courtesy Professor – ECE; Senior Systems Scientist – RI (412)-268-7988 jmd@cs.cmu.edu
Keywords
mobile and space robotics, human-robot interaction, mechatronics, automated manufacturing

Du, Jian Post Doctoral Research Associate – ECE (412)-268-3052 jiand@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.erdo@gm.us 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.falsaf@epfl.ch

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

**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

**Fredrikson, Matt** Assistant Professor – ISR, CS; Courtesy Professor – ECE

(412) 268-3992 mfredrik@andrew.cmu.edu

**Frost, Brittany** Senior Sponsored Research Assistant – CyLab

412-268-1212 bfredrik@ece.cmu.edu

**Frost, Donna** International Scholar Coordinator – ECE

412-268-3407 dfredrik@ece.cmu.edu

**Furuta, Masaki** Post Doctoral Research Associate – ECE

mfredrik@ece.cmu.edu

**Gamble, Andrew** Laboratory Electronics Supervisor – DSSC

(412)-268-1110 jgamble@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

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

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

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

**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

Gris, 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
jjilic@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
Jackson, Collin@sv.cmu.edu

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

Keywords

Jayan, B. Reeja Courtesy Professor – ECE
bjayan@andrew.cmu.edu
Jhon, Myung S. 
Professor – ChemE; Affiliated Faculty – DSSC
(412)-268-2233
mj3a@andrew.cmu.edu

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

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

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

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

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

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

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

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

Keywords
performance analysis, cloud computing, machine learning

K

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

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

Keywords
Computer vision, autonomous systems, medical robotics

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

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

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

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

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

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

Keywords

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

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

Keywords

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

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

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

Keywords
Signal processing, biomedical, wavelets,
frames, multiresolution, communications
Kozuch, Michael A.
Adjunct Professor – ECE
mkozuch@andrew.cmu.edu
(412)-268-2472
Krogh, Bruce H.
Professor – ECE
krogh@ece.cmu.edu

Keywords
Synthesis and verification of embedded
control software, distributed control
strategies, distributed supervisory control,
information and control in wireless sensor
networks, discrete event and hybrid
dynamic systems
Kryder, Mark
Emeritus University Professor – ECE; Affiliated Faculty – DSSC
(412)-268-3513
kryder@ece.cmu.edu

Keywords
Magnetic recording, optical recording and
ferroelectric materials
Kumar, Swarun S.
Assistant Professor – ECE
swarun@cmu.edu
(412)-268-1892

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
(412)-268-3674

Keywords
Laughlin, David
ALCOA Professor – MSE; Courtesy
Professor – ECE; Affiliated Faculty – DSSC
dl0p@andrew.cmu.edu
(412)-268-2706

Keywords

Magnetic materials, material science, electron microscopy, x-ray diffraction

Leathers, Diana Administrative Coordinator – ECE 650-335-2824
diana.leathers@sv.cmu.edu

Lehman, Philip ECE/SCS Office of Engagement and Annual Giving – ECE
pll@andrew.cmu.edu

Li, Ming Adjunct Professor – ECE mingli1@andrew.cmu.edu
Li, Xin Adjunct Faculty – ECE (412)-268-6507
xinli@ece.cmu.edu

Keywords

Integrated circuits, computer-aided design

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

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

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

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

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

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

Mai, Ken Principal Systems Scientist – ECE (412)-268-8335
kenmai@ece.cmu.edu

Keywords

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

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

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

Keywords

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

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

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

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

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

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

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

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

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

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

Mehdizadeh, Emad  Post Doctoral Research Associate – ECE
emehdiza@ece.cmu.edu

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

Metcalf, David  Senior Linux Engineer – ECE
dmetcalf@andrew.cmu.edu

Miskov-Zivanov, Natasa  Adjunct Faculty – ECE
(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  412-268-8364 lhmoya@andrew.cmu.edu

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

Keywords
Analog/RF/MEMS/biofluidic microsystem design

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

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

N

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

Keywords

Digital Design, Embedded Systems, Networks
Narasimhan, Priya
Professor – ECE
(412)-268-8801
priya@cs.cmu.edu

Keywords

fault tolerance, distributed systems, embedded systems, mobile systems
Narasimhan, Srinivasa
Associate Professor – RI; Courtesy Professor – ECE
412-268-1199
srinivas@andrew.cmu.edu

Keywords

computational sensors, computer graphics, computer vision, image processing, optics
Negi, Rohit
Professor – ECE; Affiliated Faculty – DSSC
(412)-268-6264
negi@ece.cmu.edu

Keywords

Wireless systems, networking, sensor networks, signal processing, coding for communications, information theory
Nguyen, Kimmy
Event and Project Coordinator – ECE
(412) 268-7138
myn@andrew.cmu.edu

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

O

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  neslio@andrew.cmu.edu

Pétaire, 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  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  (412)-268-7286  carol@ece.cmu.edu

Patton, Ashley  Director of Engagement and Annual Giving – ECE  awpatton@andrew.cmu.edu

Pavlo, Andy  Courtesy Professor – ECE  pavlo@cs.cmu.edu

Peha, Jon  Professor – EPP; Courtesy Professor – ECE  (412)-268-7126  peha@ece.cmu.edu

Keywords

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

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

**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

**Popli, Nipun** Post Doctoral Research Associate – ECE
npopli@ece.cmu.edu

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

**Racko, Angela** Finance and Business Associate – ECE
amracko@andrew.cmu.edu
Rajkumar, Raj
Professor – ECE, CS; Co-Director – GM-CM CRL; Director – Real-Time and Multimedia Systems Laboratory
(412)-268-8707
raj@ece.cmu.edu

Keywords
Embedded and real-time systems

Ramakrishnan, Bhiksha Raj
Courtesy Professor – ECE; Associate Professor – LTI
bhiksha@cs.cmu.edu

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

Reyes, Brittany
Academic Services and Student Organizations Coordinator – ECE
bjreyes@andrew.cmu.edu

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

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

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

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

Keywords
Electronic circuits, systems design automation

Rosvanis, James
Nanofab Technician – Nanofab
rosvanis@andrew.cmu.edu

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

Keywords
Embedded systems, distributed systems, sensor networks

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

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

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

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

Keywords

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

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

Shen, John Professor – ECE
Modern superscalar processor design, instruction-level parallelism and code scheduling

**Keywords**

Siewiorek, Daniel Buhl University
Professor – HCII, ECE, CSD
(412)-268-2570
dps@ece.cmu.edu

Computer architecture, reliability, context aware mobile computing

**Keywords**

Singh, Rita Courtesy
Professor – ECE; Senior Systems Scientist – LTI
(412)-268-9432
rsingh@andrew.cmu.edu

Networked embedded control systems, sensors/actuators networks, control theory

**Keywords**

Sirbu, Marvin Professor – EPP; Courtesy Professor – ECE
(412)-268-3436
sirbu@cmu.edu

Telecommunications policy and economics

**Keywords**

Sitti, Metin Professor – MechE, RI; Courtesy Professor – ECE; Affiliated Faculty – DSSC
(412)-268-3632
sitti@cmu.edu

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

**Keywords**

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

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

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 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 dstancil@ncsu.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

Sullivan, Tom 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, 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

22
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 (412)-268-8778
talukdar@ece.cmu.edu

Keywords

Network security; Wireless networking
Tang, Xiaoying Adjunct Professor – ECE txiaoyin@ece.cmu.edu
Tayur, Sridhar Courtesy Professor – ECE; Professor – Tepper 412-268-3584
stayur@andrew.cmu.edu
Thomas, Donald Professor Emeritus – ECE (412)-268-3545
thomas@ece.cmu.edu

Keywords

Computer-aided design of single chip heterogeneous multiprocessing systems
Tims, Joshua Systems Administrator – ECE (412)-268-5888
jtims@ece.cmu.edu
Tomko, Jessica Admissions Coordinator – ECE (412)-268-4786
jtomko@andrew.cmu.edu
Tonguz, Ozan Professor – ECE (412)-268-5991
tonguz@ece.cmu.edu

Keywords

Optical networks, wireless networks and communications systems, and high-speed networking
Towe, Elias Professor – ECE; Albert and Ethel Grobstein Memorial Professor – MSE; Director – CNXT (412)-268-8091
towe@cmu.edu
Keywords
Photonics, optical networks, biophotonics, sensors, quantum phenomena in optical materials.

U

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

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

V

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

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

Veras, 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

W

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

Wasserman, Anthony Adjunct Professor – ECE (650)-335-2807
tonyw@cmu.edu

Weiler, Mark Equipment Manager, Nanofabrication Facility – ECE mweiler@andrew.cmu.edu

Weiss, Lee Courtesy Professor – ECE; Research Professor – RI lew@andrew.cmu.edu

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

Keywords
Nanoelectronics, Heterogeneous Integration, RF and Analog Integrated Circuits, Biomedical Electronics, Carbon Nanotubes, Graphene
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wen, Tianlong</td>
<td>Post Doctoral Research Associate – Physics, DSSC</td>
<td>(412)-268-2319</td>
</tr>
<tr>
<td>White, Robert M.</td>
<td>Emeritus University Professor – ECE, EPP; Affiliated Faculty – DSSC</td>
<td><a href="mailto:white@ece.cmu.edu">white@ece.cmu.edu</a></td>
</tr>
<tr>
<td>Will, Regis</td>
<td>Senior Systems Engineer – ECE</td>
<td>(412)-268-3126</td>
</tr>
<tr>
<td>Woodhead, Vickie</td>
<td>Undergraduate Advisor – ECE</td>
<td>(412) 268-4425</td>
</tr>
<tr>
<td>Xu, Yinliang</td>
<td>Adjunct Professor – ECE</td>
<td><a href="mailto:danielxu@andrew.cmu.edu">danielxu@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Yagan, Osman</td>
<td>Assistant Research Professor – ECE</td>
<td>(412) 268-3976</td>
</tr>
<tr>
<td>Ydstie, B. Erik</td>
<td>Professor – ChemE; Courtesy Professor – ECE</td>
<td><a href="mailto:ydstie@andrew.cmu.edu">ydstie@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Ye, Terry</td>
<td>Adjunct Professor – ECE</td>
<td>(412) 268-5401</td>
</tr>
<tr>
<td>Yichye, Shahar</td>
<td>Cleanroom Construction Protocol Manager – ECE</td>
<td><a href="mailto:syichye@andrew.cmu.edu">syichye@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Yu, Byron</td>
<td>Associate Professor – ECE; Assistant Professor – BME</td>
<td>(412)-268-9658</td>
</tr>
<tr>
<td>Yu, Zhiyi</td>
<td>Adjunct Professor – ECE</td>
<td><a href="mailto:zhiiyu@andrew.cmu.edu">zhiiyu@andrew.cmu.edu</a></td>
</tr>
</tbody>
</table>

**Keywords**

- Magnetic nanotechnology
- Wireless communications, network science, security, social networks, cyber-physical networks
- Neural signal processing, machine learning approaches in neuroscience, neural prosthetic systems
- Multi-core processors, Network-on-chip, Digital VLSI
Z

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

Keywords

Computer networks, internet, resource management, multimedia

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

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

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

Keywords

Sensor Networks, Embedded Systems

Zhu, Jimmy  ABB  (412)-268-8373  jzhu@ece.cmu.edu

Professor – ECE; Professor – MSE, Physics; Director – DSSC

Keywords

Micromagnetics, magnetoelectronic devices, magnetic recording

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

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