A

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

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

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

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

Berges, Mario  Assistant
Professor – CEE; Courtesy Professor – ECE
412-268-4572
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
Professor – ECE
(412)-968-9110
rp@ece.cmu.edu

Keywords
Distributed fault-tolerant computing and computer networks

Bintrim, Grace  Administrative Coordinator – ECE
(412) 268-9192
gbintrim@andrew.cmu.edu

Bishop, Cathy  Instructor – ECE
mcbishop@andrew.cmu.edu

Bishop, Cathy  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
kbose@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 – CSD; Director – CyLab; Professor – ECE
(412)-268-3851
bbrumley@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
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  mcarlis@andrew.cmu.edu
Professor – INI; Director of Academic Affairs – INI; Courtesy Professor – ECE

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

Chamanzar, Maysam  Assistant  412-268-3390
Professor – ECE  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  yuejiec@andrew.cmu.edu
Chomas, Louis  Research  (412)-855-9077
Associate – DSSC; Cleanroom/MEMS Engineer – ECE  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

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, Filipe** 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

**Dolores, L.**

**Dureja, Navneet** Associate Professor – HCII

**Dutta, Supriya** Assistant Professor – ECE
Keywords

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

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

Eckhardt, Dave Courtesy Professor – ECE; Assistant Teaching Professor – CS (412)-268-9531 davide+receptionist@cs.cmu.edu

Elgersma, Steve Senior Systems & Software Engineer – ECE elgersma@ece.cmu.edu

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

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

Keywords

Databases, data mining, multimedia indexing, performance evaluation

Falsafi, Babak Adjunct (412)-268-4745 babak.falsafi@epfl.ch

Fanti, Giulia Assistant Professor – ECE gfanti@andrew.cmu.edu

Fassinger, Dan P. IT Manager – ECE (412)-268-8443 danfas@ece.cmu.edu

Fedder, Gary Howard M. Federal 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

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
Ganger, Greg  Affiliated  (412)-268-1297
Faculty – CSD; Jatras
Professor – ECE, CSD; Director – PDL  ganger@ece.cmu.edu

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

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

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

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

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

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

Gibson, Garth  Professor – CS; Courtesy
Professor – ECE; Affiliated Faculty – DSSC  garth@cs.cmu.edu

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

Gkioulekas, Ioannis  Courtesy  igkioule@andrew.cmu.edu
Professor – ECE; Assistant Professor – RI

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

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

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

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

He, Bin Courtesy Professor – ECE; Professor – BME; Department Head – BME
bhe1@andrew.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, 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
Jackson, Collin Adjunct Professor – ECE  
collin.jackson@sv.cmu.edu  
(412) 268-3363

Jahanian, Farnam Vice President for Research – CMU; Courtesy Professor – ECE  
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  
(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

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

Khosla, Pradeep K. Adjunct Professor – ECE; Chancellor – University of California, San Diego

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

Knickerbocker, Kara Administrative Coordinator – ECE (412)-268-2389

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

Keywords

distributed embedded systems, survivable system architecture, dependability

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

Keywords

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

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

Keywords

Synthesis and verification of embedded control software, distributed control strategies, distributed supervisory control, information and control in wireless sensor networks, discrete event and hybrid dynamic systems

Kryder, Mark  Emeritus University Professor – ECE; Affiliated Faculty – DSSC  (412)-268-3513  kryder@ece.cmu.edu

Keywords

Magnetic recording, optical recording and ferroelectric materials

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

Keywords

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

L
Keywords

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

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

Laughlin , David ALCOA
(412)-268-2706
Professor – MSE; Courtesy
dl0p@andrew.cmu.edu
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
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
alyanch@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
sm70@andrew.cmu.edu
(412)-268-3105

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

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

Marculescu, Radu Professor – ECE
(412)-268-8710
radum@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
maxion@cs.cmu.edu
(412)-268-7556

Keywords

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

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

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

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

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  

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

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

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

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

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

**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  

**Keywords**  

Analog/RF/MEMS/biofluidic microsystem design  

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

Fault tolerance, distributed systems, embedded systems, mobile systems  

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

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

**Keywords**  

Analog/RF/MEMS/biofluidic microsystem design  

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

Fault tolerance, distributed systems, embedded systems, mobile systems  

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

Wireless systems, networking, sensor networks, signal processing, coding for communications, information theory
Noh, Hae Young  
Assistant Professor – CEE; Courtesy Professor – ECE  
noh@cmu.edu

O’Hallaron, David  
Professor – CS, ECE; Director – Intel Research Pittsburgh  
droh@cs.cmu.edu

Keywords

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

Oliver, Megan  
Academic Services Coordinator – ECE  
mvoliver@andrew.cmu.edu

Ozdoganlar, O. Burak  
Affiliated Faculty – DSSC; Associate Professor – MechE  
ozdoganlar@cmu.edu

Ozdoganlar, Neslihan  
M.S. Academic Program Advisor – ECE  
neslio@andrew.cmu.edu

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

Püschel, Markus  
Adjunct Professor – ECE  
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  
apalko@ece.cmu.edu

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

Paramesh, Jeyanandh  
Associate Professor – ECE  
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  
parno@cmu.edu

Pasareanu, Corina  
Senior Research Scientist – ECE-SV  
(650)-604-4767
**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  
jtpender@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

**Keywords**

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

**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  
(412)-268-1558  
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, CSD; 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

Ramsey, Erika Temporary Employee Services - Finance and Business Associate – ECE eramsey@andrew.cmu.edu

Reddy, Raj Courtesy reddy@cs.cmu.edu

Rengarajan, Vijay Post Doctoral Research Associate – ECE vangarai@andrew.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 (412)-268-1375 rosvanis@andrew.cmu.edu
Rowe, Anthony  Associate  (412)-268-4856  agr@ece.cmu.edu
Professor – ECE  

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

Caruso, Stephanie  Academic Program Advisor – ECE  (650)-335-2853  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  (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  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

Keywords

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

Siewiorek, Daniel  Buhl University Professor – HCII, ECE, CSD  dps@ece.cmu.edu

Keywords

Computer architecture, reliability, context aware mobile computing

Singh, Rita  Courtesy Professor – ECE; Senior Systems Scientist – LTI  rsingh@andrew.cmu.edu

Keywords

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

Sirbu, Marvin  Professor – EPP; Courtesy Professor – ECE  sirbu@cmu.edu

Keywords

Telecommunications policy and economics

Sitti, Metin  Professor – MechE, RI; Courtesy Professor – ECE; Affiliated Faculty – DSSC  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

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 – 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 – ECE  (412)-268-3545
thomas@ece.cmu.edu
Keywords

Computer-aided design of single chip heterogeneous multiprocessing systems

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

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

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

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
towe@cmu.edu
(412)-268-8091

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
vernon@cmu.edu
+250 78 592 74 70

Vidal Alvarez, Gabriel Post Doctoral Research Associate – ECE
gvidal@andrew.cmu.edu

Vieira, Deb Senior Multimedia Designer – ECE
debraost@ece.cmu.edu
(412)-268-5032

Vinayak, Rashmi Assistant Professor – CSD; Courtesy Professor – ECE
rvinayak@cs.cmu.edu

Wang, Kai Adjunct Professor – ECE
wongkai@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
(412) 268-4425
woodhead@ece.cmu.edu

X

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

Yagan, Osman  Assistant Research Professor – ECE
(412) 268-3976
oyagan@ece.cmu.edu

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

Ydstie, B. Erik  Professor – ChemE; Courtesy Professor – ECE
(412)-268-2235
ydstie@andrew.cmu.edu

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
byronyu@cmu.edu
Keywords

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

Yu, Zhiyi Adjunct Professor – ECE  
zhiyiu@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