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

Beckmann, Nathan | Courtesy Professor – ECE; Assistant Professor – CSD | (412)-268-7422 | beckmann@cs.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)-268-9745 | 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

Berges, Mario  Assistant 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 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

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

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

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

Keywords

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

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

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

Keywords

Multimedia coding and streaming, computer vision, pattern recognition, computer graphics, multimodal biometrics

Chi, Yuejie  Associate Professor – ECE  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 Professor – CyLab; Courtesy Professor – ECE  (412)-268-4432 nicolasc@andrew.cmu.edu

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

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

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

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

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

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

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

Keywords

Usable privacy and security

D

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 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

Faloutsos, Christos Keywords

Databases, data mining, multimedia indexing, performance evaluation

Falsafi, Babak Adjunct Professor – ECE, CS babak.falsafi@epfl.ch

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

Fee (412)-268-6961
stra@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
franzt@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
b frost@andrew.cmu.edu

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

Furuta, Masaki Post Doctoral Research Associate – ECE
mfuruta@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

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

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

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

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

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

Gligor, Virgil Professor – ECE; Co-Director – CyLab (412)-268-3828 virgil@andrew.cmu.edu

Goldstein, Seth Associate Professor – CSD; Courtesy Professor – ECE (412)-268-3707 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** Assistant Professor – 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

**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

Keywords

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

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  
(412)-268-2233

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

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

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

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  
ajordan@cs.cmu.edu  
(412)-268-2590

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  
tk@cs.cmu.edu  
(412)-268-3016
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 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

Knickrbocker, 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

11
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

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

Keywords

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

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

Krogh, Bruce H. Professor – ECE (412)-268-2472 krogh@ece.cmu.edu

Keywords

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

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

Keywords

Magnetic recording, optical recording and ferroelectric materials

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

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

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

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 Faculty – ECE; Affiliated Faculty – DSSC  
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, Xin Adjunct Faculty – ECE  
(412)-268-6507

xinli@ece.cmu.edu

Integrated circuits, computer-aided design

Lindenfelser, Karen Administrative Manager – PDL; Administrative Coordinator – ECE  
karen@ece.cmu.edu

Lohn, Jason D. Adjunct Faculty – ECE  
jasonlohn@sv.cmu.edu

Low, Tze Meng Assistant Research Professor – ECE  
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  
alyynch@ece.cmu.edu

(412)-268-5818

Mahouski, Michelle Academic Services Coordinator – ECE  
mmahousk@andrew.cmu.edu

Mai, Ken Principal Systems Scientist – ECE  
kenmai@ece.cmu.edu

(412)-268-8335
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

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 (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 nmiskov@andrew.cmu.edu
Moe, Tara Director of Graduate Affairs – ECE 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 mmoneck@andrew.cmu.edu
Morchower, Bari Student Organizations and Activities Advisor – ECE bmorchow@andrew.cmu.edu
Morgan, Granger Professor – ECE; Lord Professor – EPP gm5d@andrew.cmu.edu

Keywords
Technology and policy including climate change and electric power
Morris, James Professor – CS; Courtesy Professor – ECE jones.morris@sv.cmu.edu
Moura, Jose Associate Department Head - Research & Strategic Initiatives – ECE; Philip L. and Marsha Dowd University Professor – ECE, BME; Affiliated Faculty – DSSC moura@ece.cmu.edu

Keywords
Communications, statistical signal/image, video, and multimedia processing, wavelet transforms
Moutis, Panayiotis Post Doctoral Research Associate – ECE pmoutis@andrew.cmu.edu
Mowry, Todd Professor – CS; Courtesy Professor – ECE; Co-Director – CALCM 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

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

O’Hallaron, David  Professor – CS, ECE; Director – Intel Research Pittsburgh

Keywords

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

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

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

Péraire, Cécile  Associate Teaching Professor – ECE

Püschel, Markus  Adjunct Professor – ECE

Keywords

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

Pasareanu, Corina  Senior Research Scientist – ECE-SV

Parno, Bryan  Associate Professor – ECE, CSD

Pasareanu, Corina  Senior Research Scientist – ECE-SV

Keywords

Analog, Mixed-signal and RF/millimeter-wave Integrated Circuit Design, Digitally-assisted analog/RF IC design
**Patterson, Carolyn** Administrative Coordinator – ECE  
(412)-268-7286  
pcorina@andrew.cmu.edu

**Pavlo, Andy** Courtesy Professor – ECE  
(412)-268-7126  
pavlo@cs.cmu.edu

**Peha, Jon** Professor – EPP; Courtesy Professor – ECE  
(412)-268-7286  
peha@ece.cmu.edu

**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

**Keywords**

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

**Phelps, Shelley** Finance and Business Associate – ECE  
(412) 268-8745  
sphelps@andrew.cmu.edu

**Piazza, Gianluca (Gian)** Professor – ECE; Director – Nanofab  
(412)-268-7762  
piazza@ece.cmu.edu

**Keywords**

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

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

**Keywords**

Design, implementation and modeling of electronic integrated systems

**Pileggi, Leah** Professional Writer – ECE; Professional Assistant – ECE  
leahp1@andrew.cmu.edu

**Platzer, Andre** Assistant Professor – CSD; Associate Professor – 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 Professor – ECE; Mozah Bint Nasser University Professor – CS 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 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

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 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
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
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
koushil@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

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
jtims@ece.cmu.edu
(412)-268-5888

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

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
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

Verissimo, 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
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  
(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  
yagan@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  
(412)-268-2235

Ye, Terry  Adjunct Professor – ECE  
terryye@ece.cmu.edu  
(412) 268-5401

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

Yu, Byron  Associate Professor – ECE; Assistant Professor – BME  
byronyu@cmu.edu  
(412)-268-9658
Keywords

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

Yu, Zhiyi Adjunct Professor – ECE

zhiiyu@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