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

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

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

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

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

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

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

Balram, Nikhil    Adjunct Professor – ECE
Bandola, Judy    Administrative Coordinator – ECE
(412)-268-2224
judy@ece.cmu.edu

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

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

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

Beckmann, Nathan    Courtesy Professor – ECE; Assistant Professor – CSD
beckmann@cs.cmu.edu
Berger, Luc  Professor 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  

Keywords  
Test and diagnosis of heterogeneous, integrated systems  

Bollapragada, Vara  Post Doctoral Research Associate – ECE  

Keywords  
Formal hardware and software verification  

Boni, Dante  Equipment Technician – Nanofab  

Brown, Timothy X  Distinguished Service Professor – EPP, ECE  

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
kathleen.carley@cs.cmu.edu

Carley, Rick  ST Microelectronics
Professor – ECE; Affiliated Faculty – DSSC lrce@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
mcarlis@andrew.cmu.edu

Chamanzar, Maysam  Assistant
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  Adjunct Professor – ECE
yuejiec@andrew.cmu.edu

Chomas, Louis  Research Associate – DSSC; Cleanroom/MEMS Engineer – ECE
ichomax@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
nicolasc@andrew.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 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 jian@andrew.cmu.edu

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

Elgersma, Steve Senior Systems & Software Engineer – ECE (412)-268-9531 elgersma@ece.cmu.edu

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

Ervin, Allison Administrative Coordinator – ECE 412-268-5859 aervin@andrew.cmu.edu

Faloutsos, Christos Professor – CS; Courtesy Professor – ECE (412)-268-1457 christos@cs.cmu.edu

Falsafi, Babak Adjunct (412)-268-9531 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

(412)-268-6961  feenstra@andrew.cmu.edu

**Keywords**

Molecular beam epitaxy, scanning tunneling microscopy

Ferris, Sherri  Administrative Coordinator – ECE

(412) 268-4632  sferris@andrew.cmu.edu

Fox, Toni  Sponsored Research Assistant – CyLab

(412) 268-1657  tonif@andrew.cmu.edu

Franchetti, Franz  Professor – ECE; Faculty Director of ITS – ECE

(412)-268-8297  franzf@ece.cmu.edu

**Keywords**

Automatic performance tuning; automatic software libraries generation; code generation for multicore CPUs, high-performance systems (HPC), GPUs, FPGA-acceleration; logic-in-memory and 3DIC systems; domain-specific languages and compilers

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

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

**Keywords**

Security, privacy, formal methods, and programming languages.

Frost, Brittany  Senior Sponsored Research Assistant – CyLab

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

Frost, Donna  International Scholar Coordinator – ECE

412-268-3407  dfrost@andrew.cmu.edu

Furuta, Masaki  Post Doctoral Research Associate – ECE

mfuruta@ece.cmu.edu

Gamble, Andrew  Laboratory Electronics Supervisor – DSSC

(412)-268-1110  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
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

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

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

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

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

Keywords

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

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

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

Keywords

Tribology, nanomanufacturing, multi-scale particle flows

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

Keywords

Research in wireless technology and telecommunications policy

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

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

Keywords

Electromagnetics, electromechanics, electrohydrodynamics, microfluidics

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

Computer architecture, high-level hardware description and synthesis

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

Keywords

Haptics, microassembly, dynamically stable mobile robots

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

Keywords

power systems, optimization, control, energy networks, decomposition

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

Keywords

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

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

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

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

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

Jia, Limin Assistant Research Professor – CyLab, INI, ECE  
(412)-268-4605  
liminnie@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, Soumya Associate Research Professor – ECE  
(412)-268-8962  
soumyak@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
+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
(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

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

Lane, Ian R, Associate Research Professor – ECE
ianlane@cs.cmu.edu
(412)-268-3674

Lambeth, David N, Emeritus – ECE lambeth@ece.cmu.edu

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)-268-2706
dl0p@andrew.cmu.edu

Laughlin, David ALCOA Professor – MSE; Courtesy Professor – ECE; Affiliated Faculty – DSSC
Keywords

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

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

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

Li, Ming Adjunct Professor – ECE mingli1@andrew.cmu.edu

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
lowl@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
Jillian McCarthy
(412) 268-3077
jrmccart@andrew.cmu.edu

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

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

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

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

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

Miskov-Zivanov, Natasa  Adjunct Faculty – ECE
(412)-268-6327
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

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

Keywords

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

O'Hallaron, David
Professor – CS, ECE; Director – Intel Research Pittsburgh
(412)-268-8199
droh@cs.cmu.edu
Oliver, Megan  Academic Services Coordinator – ECE  412-268-5621  mvoliver@andrew.cmu.edu

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

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

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

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

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

**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**
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

**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

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

**Keywords**
**R**

**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
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
Scott, Stephanie  Academic Program Advisor – ECE  (650)-335-2853  scottsm@andrew.cmu.edu
Sekar, Vyas  Assistant Professor – ECE  vsekar@ece.cmu.edu

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

Seshan, Srinivasan  Associate Professor – CS; Courtesy Professor – ECE  (412)-268-8734  srini@cmu.edu

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

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

Modern superscalar processor design, instruction-level parallelism and code scheduling
Siewiorek, Daniel Buhl University Professor – HCII, ECE, CSD (412)-268-2570 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 (412)-268-3436 sirbu@cmu.edu

Keywords

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

Keywords

Micro/nano-robotics, biologically inspired systems, nanotechnology, MEMS/NEMS
Skovira, Holly Senior Administrative Coordinator – ECE (412) 268-8162 hskovira@andrew.cmu.edu

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

Smialagic, 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, 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
Keywords

Audio signal processing, music and sound recording applications
Sundar, Vignesh Post Doctoral Research Associate – DSSC
vigneshs@andrew.cmu.edu

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

Keywords

Network security; Wireless networking
Talukdar, Sarosh Professor Emeritus – ECE
(412)-268-8778
talukdar@ece.cmu.edu

Keywords

Autonomous agents, distributed control, power systems, cascading failures
Tang, Xiaoying Adjunct Professor – ECE
(412)-268-8778
txiaoyin@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

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
Wen, Tianlong Post Doctoral Research Associate – Physics, DSSC
(412)-268-2319
White, Robert M Emeritus University Professor – ECE, EPP; Affiliated Faculty – DSSC
white@ece.cmu.edu

Keywords
Magnetic nanotechnology

Will, Regis Senior Systems Engineer – ECE
(412)-268-3126 rwill@andrew.cmu.edu

Woodhead, Vickie Undergraduate Advisor – ECE
(412) 268-4425 woodhead@ece.cmu.edu

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

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

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

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

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

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

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

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

Yu, Zhiyi Adjunct Professor – ECE zhiyi@ece.cmu.edu

Keywords
Multi-core processors, Network-on-chip, Digital VLSI
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  ABBProfessor – 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