**Agarwal, Yuvraj** Courtesy Professor – ECE; Assistant Professor – CS

Fax: (412) 268-7328
Email: yuvraja@andrew.cmu.edu

**Alacce, John** Systems Administrator – ECE

Fax: (412)-268-6649
Email: jalacce@ece.cmu.edu

**Alvarez, Renee** Senior Administrative Assistant – ECE

Fax: (412)-268-6858
Email: RCALVARE@andrew.cmu.edu

**Ambrass, Charlotte** Director of Finance and Sponsored Research – ECE

Fax: (412) 268-3666
Email: ambrass@ece.cmu.edu

**Amos, Rachel** Manager of Undergraduate Advising – ECE

Fax: (412) 268-3666
Email: ramos2@andrew.cmu.edu

**Amvrosiadis, George** Assistant Research Professor – ECE

Fax: (412)-268-6492
Email: gamvrosi@andrew.cmu.edu

**Andersen, David** Adjunct Professor – ECE

Fax: (412)-268-3602
Email: dga2@andrew.cmu.edu

**Anna, Shelley L.** Associate Professor – MechE; Affiliated Faculty – DSSC

Fax: (412)-268-3602
Email: sanna@andrew.cmu.edu

**Atwell, Niccole** Senior Associate Director of Engagement and Annual Giving – ECE

Fax: (412)-268-8858
Email: atwell@andrew.cmu.edu

**Ausavarungnirun, Rachata** Post Doctoral Research Associate – ECE

Fax: (412)-268-3602
Email: rausavar@andrew.cmu.edu

**Bain, Jim** Professor – ECE, MSE; Associate Director – DSSC

Fax: (412)-268-3602
Email: jbain@ece.cmu.edu

**Bandola, Judy** Administrative Coordinator – ECE

Fax: (412)-268-2224
Email: judy@ece.cmu.edu

**Bauer, Lujo** Associate Professor – ISR, ECE

Fax: (412)-268-9745
Email: lbauer@cmu.edu

**Bauerle, Claire E.** Administrative Coordinator – ECE

Fax: (412)-268-7422
Email: cbauerle@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

**Bauer, Lujo** Associate Professor – ISR, ECE

**Bauerle, Claire E.** Administrative Coordinator – ECE

**Keywords**

Computer security, access control, program monitoring, security automata, policy specification
Beckmann, Nathan  Courtesy  Professor – ECE; Assistant Professor – CSD

Berger, Luc  Professor (412)-268-2919
Emeritus – Physics; Affiliated Faculty – DSSC

Berges, Mario  Assistant  412-268-4572
Professor – CEE; Courtesy Professor – ECE

Bhagavatula, Vijayakumar U.A. and Helen Whitaker Professor – ECE; Affiliated Faculty – DSSC; Associate Dean of Faculty and Graduate Affairs – CIT

Keywords

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

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

Keywords

Distributed fault-tolerant computing and computer networks

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

Bishop, Cathy  Instructor – ECE mcbishop@andrew.cmu.edu
Blanton, Shawn  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
kbosle@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 – CS; Director – CyLab; Professor – ECE (412)-268-3851
dbrumley@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
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
(650)-335-2853
mcarlisl@andrew.cmu.edu

Caruso, Stephanie Academic Program Advisor – ECE
(412)-268-3390
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

Keywords

Computer security, network security, online crime, security economics, usable security, algorithmic applications of game theory

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

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

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

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

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

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

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

Keywords

Usable privacy and security

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

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

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

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

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

Courtesy Professor – ECE; Senior Systems Scientist – RI

(412)-268-7988
jmd@cs.cmu.edu

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

Du, Jian

Post Doctoral Research Associate – ECE

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

Eckhardt, Dave

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

Elgersma, Steve

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

Erdogmus, Hakan

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

Ervin, Allison

Administrative Coordinator – ECE
aervin@andrew.cmu.edu

Faloutsos, Christos

Professor – CS; Courtesy Professor – ECE
christos@cs.cmu.edu

Keywords
Databases, data mining, multimedia indexing, performance evaluation

Falsafi, Babak

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

Keywords
Computer architecture, memory systems, multiprocessor architecture, architectural support for gigascale integration, design evaluation tools

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

Feenstra, Randy

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

Keywords

Molecular beam epitaxy, scanning tunneling microscopy

Ferris, Sherri Administrative Coordinator – ECE

Ferris, Sherri

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

Fox, Toni Sponsored Research Assistant – CyLab

Fox, Toni

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

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

Franchetti, Franz

(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

Fredrikson, Matt

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

Security, privacy, formal methods, and programming languages.

Frost, Brittany Senior Sponsored Research Assistant – CyLab

Frost, Brittany

412-268-1212
b frost@andrew.cmu.edu

Frost, Donna International Scholar Coordinator – ECE

Frost, Donna

412-268-3407
d frost@andrew.cmu.edu

Furuta, Masaki Post Doctoral Research Associate – ECE

Furuta, Masaki

mfuruta@ece.cmu.edu

Gamble, Andrew Laboratory Electronics Supervisor – DSSC

Gamble, Andrew

(412)-268-1110
jg amble@ece.cmu.edu
**Ganger, Greg** Affiliated Faculty – CSD; Jatras
Professor – ECE, CSD; Director – PDL
(412)-268-1297
ganger@ece.cmu.edu

**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

**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

**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**

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

**Keywords**

Computer architecture, operating systems, file systems, disk arrays

**Keywords**

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

**Keywords**

Semiconductor device physics and semiconductor process technology, sensors
Grieco, Patricia L. Administrative Manager – DSSC
(412)-268-6429
g1q@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, electrophydrodynamics, 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

Keywords

Jackson, Collin Adjunct Professor – ECE
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
Jia, Limin Assistant Research Professor – CyLab, INI, ECE

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

Jia, Limin Assistant Professor – CyLab, INI, ECE

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

Joe-Wong, Carlee Assistant Professor – ECE

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

Joe-Wong, Carlee Assistant Professor – ECE

Keywords
Performance analysis, cloud computing, machine learning

Joshi, Gauri Assistant Professor – ECE

Keywords
Computer vision, autonomous systems, medical robotics

Kar, Soumya Associate Research Professor – ECE

Keywords

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. Professor – ECE; Courtesy Professor – ICES skkelly@andrew.cmu.edu

Khosla, Pradeep K. 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 (412)-268-6491 kim@ece.cmu.edu

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 Teaching Professor – ECE skompall@andrew.cmu.edu

Koopman, Philip Associate Professor – ECE, CS 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

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 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

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

Lambeth, David N.
Emeritus – ECE
(412)-268-3674
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

Laughlin, David
ALCOA
(412)-268-2706
dl0p@andrew.cmu.edu
Keywords

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

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

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

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

Keywords

Integrated circuits, computer-aided design

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

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

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

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

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

M

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

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

Keywords

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

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

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

Keywords

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

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

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

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

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

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

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

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

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

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

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

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

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

Miskov-Zivanov, Natasa  Adjunct Faculty – ECE
(412)-268-9873
nmiskov@andrew.cmu.edu

Moe, Tara  Director of Graduate Affairs – ECE
(412)-268-6327
taramoe@ece.cmu.edu

Mohimani, Hosein  Courtesy Professor – ECE; Assistant Professor – CBD
hoseinm@andrew.cmu.edu
Moneck, Matthew  Executive Manager, ECE Nanofabrication Facility – Nanofab; Research Scientist – DSSC
(412)-268-5430 mmoneck@andrew.cmu.edu

Morchower, Bari Student Organizations and Activities Advisor – ECE (412) 268-1470 bmorchow@andrew.cmu.edu

Morgan, Granger Professor – ECE; Lord Professor – EPP (412)-268-2672 gm5d@andrew.cmu.edu

Keywords
Technology and policy including climate change and electric power

Morris, James Professor – CS; Courtesy Professor – ECE (412)-609-5000 james.morris@sv.cmu.edu

Moura, José Associate Department Head - Research & Strategic Initiatives – ECE; Philip L. and Marsha Dowd University Professor – ECE, BME; Affiliated Faculty – DSSC (412)-268-6341 moura@ece.cmu.edu

Keywords
Communications, statistical signal/image, video, and multimedia processing, wavelet transforms

Moutsis, Panayiotis Post Doctoral Research Associate – ECE (412) 268-7114 pmoutis@andrew.cmu.edu

Mowry, Todd Professor – CS; Courtesy Professor – ECE; Co-Director – CALCM (412)-268-3725 tcm@cs.cmu.edu

Keywords
Computer architecture, compilers, operating systems, parallel processing

Moya, Linda Assistant Teaching Professor – ECE, SDS (412)-268-8364 lhmoya@andrew.cmu.edu

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

Keywords
Analog/RF/MEMS/biofluidic microsystem design

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

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

N

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

Keywords

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

Keywords

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

Keywords

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

Keywords

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

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

Keywords

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

O

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

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

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

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

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 – ECE, CSD
  (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

**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

**Piazza, Gianluca** (Gian) Professor – ECE; Director – Nanofab

**Keywords**

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

**Pileggi, Larry** Tanoto Professor – ECE

**Keywords**

Design, implementation and modeling of electronic integrated systems

**Pileggi, Leah** Professional Writer – ECE; Professional Assistant – ECE

**Platzer, Andre** Assistant Professor – CS, ECE

**Keywords**

Verification of embedded control systems, hybrid dynamical systems, cyber-physical systems, distributed hybrid systems, logic and formal methods

**Prelich-Knight, Lyz** Academic Services Coordinator – ECE

**Racko, Angela** Finance and Business Associate – ECE

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

Embedded and real-time systems

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

Sankaranarayanan, Aswin Assistant Professor – ECE
saswin@ece.cmu.edu (412)-268-1087

Santhanam, Suresh Principal Process Engineer – ECE
ss9s@andrew.cmu.edu (412)-268-2026

Satyanarayanan, Mahadev Carnegie Professor – CS; Courtesy Professor – ECE
satya@cmu.edu (412)-268-3743

Savvides, Marios Research Professor – ECE; Director – CyLab
Biometrics Center
mariooss@andrew.cmu.edu (412)-268-1142

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 (412)-268-8734

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
jpshen@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 (412)-268-9432
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

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

Keywords

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

21
Smith Jr., Robert E. Senior Windows Systems Engineer – ECE (412)-268-6033 robsmith@cmu.edu

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

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

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

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

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

Sreenath, Koushil Courtesy Professor – ECE; Assistant Professor – RI koushils@andrew.cmu.edu

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

Keywords
Autonomous agents, distributed control, power systems, cascading failures
Talukdar, Sarosh Professor Emeritus – ECE
(412)-268-8778
talukdar@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

Vernon, David Teaching Faculty – ECE +250 78 592 74 70
vernon@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  zhiyiyu@andrew.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  
(650)-335-2823  
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