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

Ambrass, Charlotte director of finance and sponsored research – ECE (412)-268-6858 ambrass@ece.cmu.edu

Andersen, David adjunct professor – ECE (412)-268-6492 dga2@andrew.cmu.edu

Anna, Shelley L. associate professor – MechE; affiliated faculty – DSSC (412)-268-6492 sanna@ece.cmu.edu

Anschuetz, Lou IT manager – ECE (412)-268-6817 lou@ece.cmu.edu

Antaki, James professor – BME; courtesy professor – ECE antaki@andrew.cmu.edu

Atwell, Niccole senior associate director of engagement and annual giving – ECE (412) 268-8858 atwell@andrew.cmu.edu

Bain, Jim professor – ECE, MSE; associate director – DSSC (412)-268-3602 jbain@ece.cmu.edu

Balram, Nikhil adjunct professor – ECE

Bandola, Judy administrative coordinator – ECE (412)-268-2224 judy@ece.cmu.edu

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

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

Belotti, Dave shop machinist – ECE (412)-268-6326 dbelotti@ece.cmu.edu

Keywords

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

Bain, Jim professor – ECE, MSE; associate director – DSSC

Keywords

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

Bauerle, Claire E. administrative coordinator – ECE

Beckmann, Nathan courtesy professor – ECE; assistant professor – CSD

Belotti, Dave shop machinist – ECE
Berger, Luc Professor Emeritus – Physics; Affiliated Faculty – DSSC
(412)-268-2919 lberger@andrew.cmu.edu

Bhagavatula, Vijayakumar U.A. and Helen Whitaker Professor – ECE; Affiliated Faculty – DSSC; Associate Dean of Faculty and Graduate Affairs – CIT
(412)-268-3026 kumar@ece.cmu.edu

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

Bianchini, Ronald Adjunct Professor – ECE
(412)-968-9110 rpb@ece.cmu.edu

Keywords
Distributed fault-tolerant computing and computer networks

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 – ECE, EPP 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
Carley, Rick
ST Microelectronics
Professor – ECE; Affiliated Faculty – DSSC

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

Chamanzar, Maysam
Assistant Professor – ECE

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

Chase, Steven
Courtesy Professor – ECE

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

Chomas, Louis
Research Associate – DSSC; Cleanroom/MEMS Engineer – ECE

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

Chraska, Jacqueline
Administrative Coordinator – ECE

Keywords

Christin, Nicolas
Associate Research Professor – EPP; Assistant Research Professor – CyLab; Courtesy Professor – ECE

(412)-268-6016
kathleen.carley@cs.cmu.edu

(412)-268-3597
lrc@ece.cmu.edu

412-268-3390
mchamanz@andrew.cmu.edu

(412)-855-9077
lchomas@andrew.cmu.edu

jchong@andrew.cmu.edu

(412)-268-2495
choset@cs.cmu.edu

(412)-268-3096
chraska@ece.cmu.edu

(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 (412)-268-4035
Associate – ChemE, DSSC pil@cmu.edu

Clarke Jr., Edmund  FORE Systems (412)-268-2628
Professor – CS; Courtesy Professor – ECE edmund.clarke@cs.cmu.edu

Keywords

Hardware and software verification, automatic theorem proving, symbolic computation

Collier, Zara  Technical Academic Services (412)-268-6595
Coordinator – ECE zcollier@andrew.cmu.edu

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

Condesa, Filipe  Post Doctoral Research (412)-268-3729
Associate – ECE fcondess@andrew.cmu.edu

Conley, Kelley  Research (412)-268-3299
Administrator – ECE kelleyc@andrew.cmu.edu

Copetas, Catherine  ECE/SCS Office of (412)-268-3299
Engagement and Annual Giving – ECE copetas@andrew.cmu.edu

Cowan, Christina  Director of (412)-268-7534
Administrative Services & Office of the
Department Head – ECE ccowan@andrew.cmu.edu

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

Keywords

Usable privacy and security

Datta, Anupam  Associate (412)-268-4035
danupam@andrew.cmu.edu
Professor – CyLab, ECE, CS

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

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

De La Torre Frade, Fernando  Courtesy (412)-268-7534
Professor – ECE; Research Scientist – RI
ftorre@cs.cmu.edu
Demby, Lauren  Administrative Coordinator – DSSC, ECE  (412)-268-2650  ldemby@ece.cmu.edu

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

Dolan, John  Courtesy Professor – ECE; Senior Systems Scientist – RI  jmd@cs.cmu.edu

Keywords

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

Du, Jian  Post Doctoral Research Associate – ECE  jian@andrew.cmu.edu

Echko, Michelle  Financial Analyst – ECE  mechko@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

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  Adjunct Faculty – ECE  gfanti@andrew.cmu.edu

Fassinger, Dan P.  IT Manager – ECE  danfas@ece.cmu.edu

E
Fatahalian, Kayvon  
Courtesy  
Professor – ECE; Assistant Professor – CS  
(412) 268-1234  
kayvonf@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  
Associate Professor – ECE; Faculty Director of ITS – ECE  
(412)-268-8297  
franzf@ece.cmu.edu

Keywords

Automatic performance tuning, digital signal processing transforms, advanced architectures

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  
Receptionist – CyLab  
412-268-1212  
bfrost@andrew.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 (412)-268-8558 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 saugataq@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 – CS; Courtesy Professor – ECE (412)-268-3828 seth@cs.cmu.edu

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

Golub, Matt Post Doctoral Research Associate – ECE mgolub@andrew.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

Semiconductor device physics and semiconductor process technology, sensors

**Grieco, Patricia L.** Administrative Manager – DSSC
(412)-268-6429
pq1g@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@ece.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

Hoffman, Steve Machine Shop Foreman – ECE
(412)-268-2505
hoffman@ece.cmu.edu

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

Hug, Gabriela Adjunct Faculty – ECE
ghug@ece.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 – ECE
(412)-268-9520
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
Islam, Mohammad F. Assistant Professor – ChemE, MSE; Courtesy Professor – ECE

Jackson, Collin Adjunct Professor – ECE

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

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.

Joe-Wong, Carlee Assistant Professor – ECE

Keywords

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

Jordan, Angel Emeritus University Professor – ECE, RI

Keywords

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

Joshi, Gauri Adjunct Faculty – ECE

Keywords

performance analysis, cloud computing, machine learning

Kanade, Takeo U.A. and Helen Whitaker Professor – CS, RI; Courtesy Professor – ECE

Keywords

Computer vision, autonomous systems, medical robotics

J

Jackson, Collin collin.jackson@sv.cmu.edu (412) 268-3363

Jahanian, Farnam farnam@andrew.cmu.edu (412)-268-2233

Jhon, Myung S. mj3a@andrew.cmu.edu (412)-268-2233

Jia, Limin liminjia@andrew.cmu.edu (412)-268-4605

Joe-Wong, Carlee cjoewong@andrew.cmu.edu 650-335-2832

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

Joshi, Gauri gaurij@andrew.cmu.edu

K

Kanade, Takeo tk@cs.cmu.edu (412)-268-3016
Kar, Soummya  Associate Research Professor – ECE  (412)-268-8962  soummyak@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

Kirby, Reenie  Administrative Coordinator – ECE  reenie@cmu.edu

Knickerbocker, Kara  Administrative Coordinator – ECE  krk@andrew.cmu.edu

Koeske, Matt  Research Administrator – ECE  koeske@ece.cmu.edu

Kompalli, Suryaprakash  Assistant Teaching Professor – ECE

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

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
Professor – MSE; Courtesy Professor – ECE; Affiliated Faculty – DSSC
(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 pl1@andrew.cmu.edu

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

Li, Xin Associate Professor – ECE (412)-268-6507 xinli@ece.cmu.edu

Keywords

Integrated circuits, computer-aided design

Li-Hagerty, Lorraine Administrative Coordinator – ECE (412) 268-1099 lhagerty@cmu.edu

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 Systems Scientist – ECE (412) 268-5663 lowt@andrew.cmu.edu

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

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

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

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

Keywords

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

Majetich, Sara A. Professor – Physics; Courtesy Professor – ECE; Affiliated Faculty – DSSC sm70@andrew.cmu.edu

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

Computer-aided design and manufacturing of VLSICs
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.
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
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
McKinney, Jim IT Manager – ECE (412)-268-5141
jmck@ece.cmu.edu

Mehdizadeh, Emad Post Doctoral Research Associate – ECE
Mengshoel, Ole Principal Systems Scientist – ECE ole.mengshoel@sv.cmu.edu

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

Moneck, Matthew Executive Manager, ECE Nanofabrication Facility – Nanofab; Research Scientist – DSSC (412)-268-5430
mmoncek@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 (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 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, Srinivasa**
Associate Professor – RI; Courtesy Professor – ECE
412-268-1199
srinivas@andrew.cmu.edu

**Keywords**

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

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

**Keywords**

fault tolerance, distributed systems, embedded systems, mobile systems

**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

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

**Keywords**

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

**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  

Püschel, Markus  Adjunct Professor – ECE  (412)-268-3804

Keywords

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

Pagliarini, Samuel  Research Scientist – ECE

Palko, Adam P.  Finance and Research Administrator – ECE (412)-268-2188

Paramesh, Jeyanandh  Associate Professor – ECE (412)-268-1290

Parno, Bryan  Associate Professor – CSD, ECE (412) 268-2033

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

Patterson, Carolyn  Administrative Coordinator – ECE (412)-268-7286

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.

Peters, Janet M. Manager of Undergraduate Advising – ECE
(412)-268-3666
jmpeters@andrew.cmu.edu

Phelps, Shelley Senior Administrative Coordinator – ECE
(412)-268-8162
sphelps@ece.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 – CS, ECE
(412)-268-1558
aplatzer@cs.cmu.edu

Keywords

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

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

Racko, Angela Finance and Business Associate – ECE
amracko@andrew.cmu.edu

Rajkumar, Raj Professor – ECE, 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  
Reddy, Raj Courtesy Professor – ECE; Mozah Bint Nasser University Professor – CS  
Reyes, Brittany  Academic Services and Student Organizations Coordinator – ECE  
Ricketts, David  Adjunct Professor – ECE  

Keywords  
Nanoscale electronics, nanoscale devices, nonlinear dynamics, analog circuits  
Risley, Mason  Process Engineer – Nanofab  
Rohrer, Ronald A.  Professor Emeritus – ECE  

Keywords  
Electronic circuits, systems design automation  
Rosvanis, James  Nanofab Technician – Nanofab  
Rowe, Anthony  Associate Professor – ECE  

Keywords  
Embedded systems, distributed systems, sensor networks  
Rutenbar, Rob A.  Adjunct Professor – ECE  

Keywords  
VLSI CAD, algorithms, analog and digital circuits, automatic speech recognition  
Salvador, Paul A.  Associate Professor – MSE; Affiliated Faculty – DSSC  
Sankaranarayanan, Aswin  Assistant Professor – ECE  
Santhanam, Suresh  Principal Process Engineer – ECE  
Santos, Augusto  Post Doctoral Research Associate – ECE
Satyanarayanan, Mahadev Carnegie Professor – CS; Courtesy Professor – ECE 
(412)-268-3743
augustos@andrew.cmu.edu

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

Satyanarayanan, Mahadev Carnegie Professor – CS; Courtesy Professor – ECE 
(412)-268-3743
augustos@andrew.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

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

Serafin, Stephen Senior Systems Engineer – ECE 
(412)-268-5716
sserafin@ece.cmu.edu

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

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

Savan, John Professor – ECE 
jpshen@cmu.edu

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

Siewiorek, Daniel Buhl University Professor – ECE, CSD; Director – HCII 
(412)-268-2570
Keywords

Computer architecture, reliability, context aware mobile computing

Sinopoli, Bruno
Associate Professor – ECE, RI, MechE
(412)-268-9432
brunos@ece.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
Administrative Coordinator – ECE
(412) 268-9192
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

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  
Sreenath, Koushil Courtesy Professor – ECE; Assistant Professor – RI  
Stancil, Daniel Adjunct Professor – ECE

Keywords
Wireless communications, nanophotonics, spin wave devices

Steenkiste, Peter Professor – ECE, CS

Keywords
Computer networks, distributed systems, pervasive computing

Stern, Richard Professor – ECE, LTI, CS, BME; Lecturer – Music

Keywords
Automatic speech recognition, auditory perception, signal processing

Stevens, Dave Facilities Assistant – ECE

Keywords
Statistically based CAD/CAM of VLSI circuits

Sullivan, Tom Associate Teaching Professor – ECE; Lecturer – Music

Keywords
Audio signal processing, music and sound recording applications

Sundar, Vignesh Post Doctoral Research Associate – DSSC

Keywords
Network security; Wireless networking

Tague, Patrick Associate Research Professor – CyLab, INI, ECE

Keywords
Network security; Wireless networking
Talukdar, Sarosh  Professor Emeritus – ECE  
Keywords
Autonomous agents, distributed control, power systems, cascading failures
Tang, Xiaoying  Adjunct Professor – ECE  
Thomas, Donald  Professor Emeritus – ECE
Keywords
Computer-aided design of single chip heterogeneous multiprocessing systems
Tims, Joshua  Systems Administrator – ECE
Tomko, Jessica  Admissions Coordinator – ECE
Tonguz, Ozan  Professor – ECE
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
Keywords
Photonics, optical networks, biophotonics, sensors, quantum phenomena in optical materials.
Treuille, Adrien  Courtesy Professor – ECE; Assistant Professor – CS
Ustun, Taha Selim  Assistant Teaching Professor – ECE
Keywords
Power Systems Protection, Communication in Power Networks, Distributed Generation, Microgrids and Smartgrids
Veloso, Manuela Professor – CS; Courtesy Professor – ECE
Veríssimo, Paulo Adjunct Professor – ECE
Vidal Alvarez, Gabriel Post Doctoral Research Associate – ECE
Vieira, Deb Senior Multimedia Designer – ECE
Wang, Kai Adjunct Professor – ECE
Wang, Yao Post Doctoral Research Associate – ECE
Wasserman, Anthony Adjunct Professor – ECE
Weiler, Mark Equipment Manager, Nanofabrication Facility – ECE
Weiss, Lee Courtesy Professor – ECE; Research Professor – RI
Weldon, Jeffrey Associate Professor – ECE
Wen, Tianlong Post Doctoral Research Associate – Physics, DSSC
White, Robert M Emeritus University Professor – ECE, EPP; Affiliated Faculty – DSSC

Keywords
Nanoelectronics, Heterogeneous Integration, RF and Analog Integrated Circuits, Biomedical Electronics, Carbon Nanotubes, Graphene

Wasserman, Anthony
Adjunct Professor – ECE
leon@ece.cmu.edu

Keywords
Magnetic nanotechnology

Will, Regis Senior Systems Engineer – ECE
Woodhead, Vickie Undergraduate Advisor – ECE
Xu, Yinliang Adjunct Professor – ECE

X

Wang, Yao
Post Doctoral Research Associate – ECE
yaowang@ece.cmu.edu

Wang, Yao
Post Doctoral Research Associate – ECE
(412)-268-6726
yaowang@ece.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
Associate Professor – ECE
jweldon@ece.cmu.edu

Wen, Tianlong
Post Doctoral Research Associate – Physics, DSSC
(412)-268-2319
danielxu@andrew.cmu.edu

White, Robert M
Emeritus University Professor – ECE, EPP; Affiliated Faculty – DSSC
white@ece.cmu.edu

Will, Regis
Senior Systems Engineer – ECE
rwill@andrew.cmu.edu

Woodhead, Vickie
Undergraduate Advisor – ECE
woodhead@ece.cmu.edu

Xu, Yinliang
Adjunct Professor – ECE
danielxu@andrew.cmu.edu
Yagan, Osman  Assistant Research Professor – ECE
Keywords
Wireless communications, network science, security, social networks, cyber-physical networks
(412) 268-3976
oyagan@ece.cmu.edu

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, Zhiyi  Adjunct Professor – ECE
zhiiyu@andrew.cmu.edu

Keywords
Multi-core processors, Network-on-chip, Digital VLSI
(412)-268-9658
byronyu@cmu.edu

Yu, Byron  Associate Professor – ECE; Assistant Professor – BME
Keywords
Neural signal processing, machine learning approaches in neuroscience, neural prosthetic systems
(650)-353-2824
joy@cs.cmu.edu

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
(412)-268-8945
hzhang@cs.cmu.edu
Keywords

Computer networks, internet, resource management, multimedia

Zhu, Jimmy ABB
Professor – ECE; Professor – MSE, Physics; Director – DSSC
jzhu@ece.cmu.edu

Keywords

Micromagnetics, magnetoelectronic devices, magnetic recording

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

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