A

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

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

Alvarez, Renee  Senior Administrative Assistant – ECE
RCALVARE@andrew.cmu.edu

Ambrass, Charlotte  Director of Finance and Sponsored Research – ECE
(412)-268-6858
ambrass@ece.cmu.edu

Amos, Rachel  Manager of Undergraduate Advising – ECE
(412) 268-3666
ramos2@andrew.cmu.edu

Amvrosiadis, George  Assistant Research Professor – ECE
gamvrosi@andrew.cmu.edu

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

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

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

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

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

Balram, Nikhil  Adjunct Professor – ECE
(412)-268-2224

Bandola, Judy  Administrative Coordinator – ECE
judy@ece.cmu.edu

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

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

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

Beckmann, Nathan  Courtesy Professor – ECE; Assistant Professor – CSD
beckmann@cs.cmu.edu
Berger, Luc Professor Emeritus – Physics; Affiliated Faculty – DSSC  (412)-268-2919 lberger@andrew.cmu.edu

Bergeres, Mario Assistant Professor – CEE; Courtesy Professor – ECE  412-268-4572 marioberges@cmu.edu

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

Keywords

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

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

Keywords

Distributed fault-tolerant computing and computer networks

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

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

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 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 – CSD; 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  kathleen.carley@cs.cmu.edu

Carley, Rick  ST Microelectronics  Professor – ECE; Affiliated Faculty – DSSC  lrc@ece.cmu.edu

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

Carlisle, Martin  Teaching Professor – INI; Director of Academic Affairs – INI; Courtesy Professor – ECE  mcarlisl@andrew.cmu.edu

Caruso, Stephanie  Academic Program Advisor – ECE  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  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  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, Lena  Corporate Relations – ECE  (412)-268-7689 cominos@andrew.cmu.edu

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

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

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

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

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

Keywords

Usable privacy and security

Datta, Anupam  Professor – ECE; Associate Professor – CyLab  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  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  (412)-268-9531

Erdogmus, Hakan  Teaching Professor – ECE  hakan.erdogmus@sv.cmu.edu  650-335-2834

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

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

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

Fedder, Gary  Howard M.  Wilkoff Professor – ECE, RI; Co-Director – MEMS; Affiliated Faculty – DSSC  fedder@ece.cmu.edu  (412)-268-8443

Keywords
Databases, data mining, multimedia indexing, performance evaluation

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

Microelectromechanical systems (MEMS), RF MEMS, inertial/bio/chemical sensors, MEMS CAD, micro-robotics

Feenstra, Randy Professor – Physics; Courtesy Professor – ECE

Feenstra, Randy Professor – Physics; Courtesy Professor – ECE

Molecular beam epitaxy, scanning tunneling microscopy

Ferris, Sherri Administrative Coordinator – ECE

Ferris, Sherri Administrative Coordinator – ECE

Fox, Toni Sponsored Research Assistant – CyLab

Fox, Toni Sponsored Research Assistant – CyLab

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

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

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 Assistant Professor – ISR, CS; Courtesy Professor – ECE

Security, privacy, formal methods, and programming languages.

Frost, Brittany Senior Sponsored Research Assistant – CyLab

Frost, Brittany Senior Sponsored Research Assistant – CyLab

Frost, Donna International Scholar Coordinator – ECE

Frost, Donna International Scholar Coordinator – ECE

Furuta, Masaki Post Doctoral Research Associate – ECE

Furuta, Masaki Post Doctoral Research Associate – ECE

Gamble, Andrew Laboratory Electronics Supervisor – DSSC

Gamble, Andrew Laboratory Electronics Supervisor – DSSC

Gamble, Andrew Laboratory Electronics Supervisor – DSSC
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

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

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

Goldstein, Seth  Associate
Professor – CSD; Courtesy (412)-268-3707
seth@cs.cmu.edu

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

Gottron, Norman  Process Engineer – Nanofab (412)-268-4205
ngottron@andrew.cmu.edu

Greenfield, Anissa  Manager, Sponsored Research Administration – ECE (412)-268-3114
admyers@ece.cmu.edu

Greve, David  Professor Emeritus – ECE (412)-268-3707
dg07@andrew.cmu.edu
Keywords

Semiconductor device physics and semiconductor process technology, sensors

Grieco, Patricia L. Administrative Manager – DSSC (412)-268-6429
pg1q@andrew.cmu.edu

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

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

Grupe, Alan 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

He, Bin Courtesy Professor – ECE; Professor – BME; Department Head – BME
bhe1@andrew.cmu.edu

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

Keywords

Tribology, nanomanufacturing, multi-scale particle flows

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

Keywords

Research in wireless technology and telecommunications policy

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

Hoburg, James Emeritus Faculty – ECE (412)-268-2473
hoburg@ece.cmu.edu
Keywords
Electromagnetics, electromechanics, electrohydrodynamics, microfluidics
Hoe, James C. Professor – ECE, CS; Co-Director – CALCM
(412)-268-4259 jhoe@cmu.edu

Keywords
Computer architecture, high-level hardware description and synthesis
Hollis, Ralph L. Research Professor – RI; Courtesy Professor – ECE
(412)-268-8264 rhollis@cs.cmu.edu

Keywords
Haptics, microassembly, dynamically stable mobile robots
Hong, Jason Courtesy Professor – ECE; Associate Professor – CS
jasonh@cs.cmu.edu

Keywords
power systems, optimization, control, energy networks, decomposition
Iannucci, Bob Distinguished Service Professor – Carnegie Mellon Silicon Valley, ECE; Director – CyLab Mobility Research Center
(650) 714 1200 roberti@andrew.cmu.edu

Keywords
Mobile and embedded computing, scalable systems, sensor networks, emergency communications systems
Ilic, Jovan Associate Teaching Professor – ECE
(412)-268-3943 jilic@ece.cmu.edu
Ilic, Marija Professor Emeritus – ECE milic@ece.cmu.edu

Keywords
Large-scale systems modeling and simulation; power systems control and pricing algorithms; critical infrastructures/interdependencies
Ishihara, Abe Courtesy Professor – ECE abe.ishihara@sv.cmu.edu
Jahedian, Farnam  Vice President for Research – CMU; Courtesy Professor – ECE
Jayan, B. Reeja  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

Johnson, Aaron  Courtesy Professor – ECE, RI; Assistant Professor – MechE
Jordan, Angel  Emeritus University Professor – ECE, RI

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

Joshi, Gauri  Assistant Professor – ECE

Keywords
performance analysis, cloud computing, machine learning

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

Keywords

K

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

Computer vision, autonomous systems, medical robotics

Kar, Soummya Associate Professor – ECE (412)-268-8962

Keywords

Distributed Information Processing, Multi-Agent Decision Making, Adaptive Stochastic Systems

Kass, Leona Director of Student and Academic Affairs – ECE (412)-268-2496

Kavcic, Aleksandar Adjunct Faculty – ECE akavcic@andrew.cmu.edu

Kelly, Shawn K. Courtesy Professor – ECE; Senior Systems Scientist – ICES

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

Keywords

agent-based design and control, S/W engineering for real-time systems, distributed robotics, distributed information systems, Secure Embedded Software/Systems, Sensor Networks

Kim, Hyong Drew D. Perkins Professor – ECE (412)-268-6491

Keywords

Advanced switch and network architectures, fault-tolerant network architectures, network management and control

Kimukin, Ibrahim Research Associate – ECE (412)-268-9013

Kitani, Kris Courtesy Professor – ECE; Assistant Research Professor – RI

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

Kochhar, Abhay Research Scientist – ECE (412)-268-8013

Koeske, Matt Research Administrator – ECE (412)-268-7293
Kompalli, Suryaprakash  Assistant Teaching Professor – ECE  koeske@ece.cmu.edu
+250 78 484 08 55

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

Keywords

distributed embedded systems, survivable system architecture, dependability

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

Keywords

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

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

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

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  kryder@ece.cmu.edu
(412)-268-3513

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  mkurp@andrew.cmu.edu
(412) 268-1973

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

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

Li, Qing Adjunct Faculty – ECE
qingli2@andrew.cmu.edu

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

Keywords

Integrated circuits, computer-aided design

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

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

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

Lu, Canyi Post Doctoral Research Associate – ECE
canyil@andrew.cmu.edu

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

Lynch, Aydaen Principal Systems and Software Engineer – ECE
(412)-268-5818
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

Marculescu, Radu Kav#i#-Moura Professor of Electrical & Computer Engineering – ECE
(412)-268-8710
radum@ece.cmu.edu

Keywords

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

Marculescu, Radu Kav#i#-Moura
(412)-268-8710
radum@ece.cmu.edu

Keywords

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

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

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

Keywords

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

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

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

McKinney, Jim IT Manager – ECE
(412)-268-5141
jmck@ece.cmu.edu
Mehdizadeh, Emad  Post Doctoral Research Associate – ECE  emehdiza@ece.cmu.edu
Mengshoel, Ole  Principal Systems Scientist – ECE  ole.mengshoel@sv.cmu.edu
Metcalf, David  Senior Linux Engineer – ECE  dmetcalf@andrew.cmu.edu
Miskov-Zivanov, Natasa  Adjunct Faculty – ECE  nmiskov@andrew.cmu.edu
Moe, Tara  Director of Graduate Affairs – ECE  taramoe@ece.cmu.edu
Mohimani, Hosein  Courtesy Professor – ECE; Assistant Professor – CBD  hoseinm@andrew.cmu.edu
Moneck, Matthew  Executive Manager, ECE Nanofabrication Facility – Nanofab; Research Scientist – DSSC  mmoneck@andrew.cmu.edu
Morchower, Bari  Student Organizations and Activities Advisor – ECE  bmorchow@andrew.cmu.edu
Morgan, Granger  Professor – ECE; Lord Professor – EPP  gm5d@andrew.cmu.edu

Keywords

Technology and policy including climate change and electric power
Morris, James  Professor – CS; Courtesy Professor – ECE  (412)-609-5000  james.morris@sv.cmu.edu
Moura, Jose  Associate Department Head - Research & Strategic Initiatives – ECE; Philip L. and Marsha Dowd University Professor – ECE, BME; Affiliated Faculty – DSSC  (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

N

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

Keywords

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

Keywords

fault tolerance, distributed systems, embedded systems, mobile systems
Narasimhan, Srinivasa Associate Professor – RI; Courtesy Professor – ECE
412-268-1199
srinivas@andrew.cmu.edu

Keywords

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

Keywords

Wireless systems, networking, sensor networks, signal processing, coding for communications, information theory
Nguyen, Kimmy Event and Project Coordinator – ECE
(412) 268-7138
myn@andrew.cmu.edu
Noel, Margaret  Associate Director of Alumni Relations and Annual Giving – ECE  412-268-7202
mnoel@andrew.cmu.edu

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

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

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

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

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

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

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

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

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

Pagliarini, Samuel  Senior Research Scientist – ECE
spagliar@ece.cmu.edu

Palko, Adam P.  Finance and Research Administrator – ECE
apalko@ece.cmu.edu

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

Paramesh, Jeyanandh  Associate Professor – ECE
paramesh@ece.cmu.edu

Keywords
Analog, Mixed-signal and RF/millimeter-wave Integrated Circuit Design, Digitally-assisted analog/RF IC design

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

Telecommunications, wireless networks, internet, spectrum management, communications for homeland security, electronic commerce, developing countries, universal service, security

Penderville, J.T. Audio Visual & Distance Communications Manager – ECE (412) 268-6555 jtpender@andrew.cmu.edu

Perrig, Adrian Adjunct Professor – ECE; Professor – EPP, CS; Technical Director – CyLab (412)-268-2242 adrian@ece.cmu.edu

Keywords

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

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

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

Keywords

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

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

Keywords

Design, implementation and modeling of electronic integrated systems

Pileggi, Leah Professional Writer – ECE; Professional Assistant – ECE leahp1@andrew.cmu.edu
**Platzer, Andre** Assistant Professor – CSD; Associate Professor – ECE

(412)-268-1558
aplatzer@cs.cmu.edu

**Keywords**

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

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

(412)-268-5087
lyz@ece.cmu.edu

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

412-268-5382
amracko@andrew.cmu.edu

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

(412)-268-8707
raj@ece.cmu.edu

**Keywords**

Embedded and real-time systems

**Ramakrishnan, Bhiksha Raj** Courtesy Professor – ECE; Associate Professor – LTI

bhiksha@cs.cmu.edu

**Ramsey, Erika** Temporary Employee Services - Finance and Business Associate – ECE

eramsey@andrew.cmu.edu

**Reddy, Raj** Courtesy Professor – ECE; Mozah Bint Nasser University Professor – CS

reddy@cs.cmu.edu

**Rengarajan, Vijay** Post Doctoral Research Associate – ECE

vangarai@andrew.cmu.edu

**Reyes, Brittany** Academic Services and Student Organizations Coordinator – ECE

bjreyes@andrew.cmu.edu

**Ricketts, David** Adjunct Professor – ECE

ricketts@ece.cmu.edu

**Keywords**

Nanoscale electronics, nanoscale devices, nonlinear dynamics, analog circuits

**Risley, Mason** Process Engineer – Nanofab
mrisley@andrew.cmu.edu

**Rohrer, Ronald A.** Professor Emeritus – ECE
rohrer@ece.cmu.edu
Keywords

Electronic circuits, systems design automation
Rosvanis, James Nanofab
Technician – Nanofab (412)-268-1375 rosvanis@andrew.cmu.edu

Rowe, Anthony Associate (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 (412)-268-2702 paul7@andrew.cmu.edu
Professor – MSE; Affiliated Faculty – DSSC

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

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

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

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

Keywords

Biometric identification, Cyber-Physical Security, Authentication, Pattern recognition

Schlesinger, T.E. (Ed) Adjunct ed@ece.cmu.edu
Professor – ECE

Keywords

Semiconductor devices, information storage, optoelectronic systems
Schneider, Jeff Research jeff4@andrew.cmu.edu
Professor – RI; Courtesy Professor – ECE

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

Keywords

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

Sieowierek, Daniel Buhl University  
(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

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

Keywords

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

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

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

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

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

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

Song, Dawn  Adjunct Professor – ECE  xd@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
Tang, Xiaoying Adjunct Professor – ECE txiaoyin@ece.cmu.edu
Taylor, Rebecca Assistant Professor – MechE; Courtesy Professor – ECE bex@andrew.cmu.edu
Tayur, Sridhar Courtesy Professor – ECE; Professor – Tepper stayur@andrew.cmu.edu
Thomas, Donald Professor Emeritus – ECE 412-268-3545
thomas@ece.cmu.edu
Keywords

Computer-aided design of single chip heterogeneous multiprocessing systems

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

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

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

Keywords

Optical networks, wireless networks and communications systems, and high-speed networking

Towe, Elias Professor – ECE; Albert and Ethel Grobstein Memorial Professor – MSE; Director – CNXT
towe@cmu.edu
(412)-268-8091

Keywords

Photonics, optical networks, biophotonics, sensors, quantum phenomena in optical materials.

Veloso, Manuela Professor – CS; Courtesy Professor – ECE
mmv@cs.cmu.edu

Veríssimo, Paulo Adjunct Professor – ECE
pjv@di.fc.ul.pt

Vernon, David Teaching Faculty – ECE
vernon@cmu.edu
+250 78 592 74 70

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

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

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

Wang, Kai Adjunct Professor – ECE
wangkai@andrew.cmu.edu
(650)-335-2807

Wasserman, Anthony Adjunct Professor – ECE
tonyw@cmu.edu

Weiler, Mark Equipment Manager, Nanofabrication Facility – ECE
mweiler@andrew.cmu.edu
Weiss, Lee  Courtesy
Professor – ECE; Research Professor – RI
lew@andrew.cmu.edu

Weldon, Jeffrey  Adjunct Professor – ECE
jaweldon@hawaii.edu

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

Wen, Tianlong  Post Doctoral Research Associate – Physics, DSSC
jaweldon@hawaii.edu

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

Keywords
Magnetic nanotechnology

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

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

X

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

Y

Yagan, Osman  Assistant Research Professor – ECE
oyagan@ece.cmu.edu

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

Ydstie, B. Erik Professor – ChemE; Courtesy Professor – ECE
ydstie@andrew.cmu.edu

Ye, Terry  Adjunct Professor – ECE
terryye@ece.cmu.edu

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

Yu, Byron  Associate Professor – ECE; Assistant Professor – BME
byronyu@cmu.edu
Keywords

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

Yu, Zhiyi  Adjunct Professor – ECE  zhiyiyu@andrew.cmu.edu

Keywords

Multi-core processors, Network-on-chip, Digital VLSI

Z

Zhang, Hui  Professor – CS; Courtesy Professor – ECE  (412)-268-8945  hzhang@cs.cmu.edu

Keywords

Computer networks, internet, resource management, multimedia

Zhang, Jia  Associate Teaching Professor – ECE  jia.zhang@sv.cmu.edu

Zhang, Joy  Adjunct Professor – ECE  (650)-335-2824  joy@cs.cmu.edu

Zhang, Pei  Associate Research Professor – ECE  (650)-335-2823  peizhang@cmu.edu

Keywords

Sensor Networks, Embedded Systems

Zhu, Jimmy  ABB  (412)-268-8373
Professor – ECE; Professor – MSE, Physics; Director – DSSC  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