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

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

Alachiotis, Nikolaos  Post Doctoral Research Associate – ECE  nalachio@ece.cmu.edu

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

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  atwell@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  judy@ece.cmu.edu

Bandola, Judy  Administrative Coordinator – ECE  (412)-268-9745  lbauer@cmu.edu

Bauer, Lujo  Associate Professor – CyLab, ECE  (412)-268-7422  cbauerle@ece.cmu.edu

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

Keywords

Computer security, access control, program monitoring, security automata, policy specification
Benicky, Sheryl Research Administrator – ECE (412)-268-3729 sbenicky@ece.cmu.edu

Berger, Luc Emeritus Professor – 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; Associate Director – JIE rblanton@andrew.cmu.edu

Keywords
Test and diagnosis of heterogeneous, integrated systems

Bollapragada, Vara Post Doctoral Research Associate – ECE sbollapr@ece.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, ECE; Director – CyLab 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
lr@ece.cmu.edu

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

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

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

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

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

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

Chen, Xiaoming
Visiting Research Scholar – ECE
xchen3@andrew.cmu.edu

Chomas, Louis
Research Associate – DSSC; Cleanroom/MEMS Engineer – ECE
(412)-855-9077
lchomas@andrew.cmu.edu

Chong, Jike
Adjunct Instructor – ECE-SV
jchong@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
Assistant Research Professor – CyLab, 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

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

Keywords

Hardware and software verification, automatic theorem proving, symbolic computation

Collier, Zara Academic Services Coordinator – ECE (412)-268-5621 zcollier@andrew.cmu.edu

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

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

Costa, Katie Student Organizations and Activities Advisor – ECE (412) 268-1470 kcosta@andrew.cmu.edu

Cowan, Christina Executive Assistant to the Department Head and Administrative Services Manager – ECE (412)-268-3299 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

D

Datta, Anupam Associate Professor – CyLab, ECE, CS 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@ece.cmu.edu

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

Demby, Lauren Administrative Coordinator – JIE, ECE, DSSC (412)-268-2650 ldemby@ece.cmu.edu
Dey, Anind K. Associate Professor – HCI; Courtesy Professor – ECE
Dolan, John. Courtesy Professor – ECE; Senior Systems Scientist – RI

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

Echko, Michelle. Finance and Business Associate – ECE
Eckhardt, Dave. Courtesy Professor – ECE; Assistant Teaching Professor – CS
Elgersma, Steve. Senior Systems & Software Engineer – ECE
Erdogmus, Hakan. Associate Teaching Professor – ECE

E

Faloutsos, Christos. Professor – CS; Courtesy Professor – ECE

Keywords
Databases, data mining, multimedia indexing, performance evaluation

Falsafi, Babak. Adjunct Professor – ECE, CS

F

Fatahalian, Kayvon. Courtesy Professor – ECE; Assistant Professor – CS
Fedder, Gary. Howard M. Wilkoff Professor – ECE, RI; Co-

E

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

Fassinger, Dan P. IT Manager – ECE
Fatahalian, Kayvon. Courtesy Professor – ECE; Assistant Professor – CS
Fedder, Gary. Howard M. Wilkoff Professor – ECE, RI; Co-

F

Keywords
Director – MEMS; Affiliated
Faculty – DSSC

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

Fox, Toni
Sponsored Research Assistant – CyLab
(412) 268-1657
tonif@andrew.cmu.edu

Franchetti, Franz
Associate Research Professor – ECE; Faculty Director of ITS – ECE
(412)-268-8297
franzf@ece.cmu.edu

Keywords

Automatic performance tuning, digital signal processing transforms, advanced architectures

Furuta, Masaki
Post Doctoral Research Associate – ECE
mfuruta@ece.cmu.edu

G

Gamble, Andrew
Laboratory Electronics Supervisor – DSSC
(412)-268-1110
jgamble@ece.cmu.edu

Gandhi, Rajeev
Courtesy Professor – ECE
(412)-268-4922
rgandhi@ece.cmu.edu

Keywords

Wireless systems, multimedia compression, signal processing/compression

Ganger, Greg
Jatras Professor – ECE, CS; Director – PDL; Affiliated Faculty – DSSC
(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
Gellman, Andrew J. Lord
Professor – ChemE; Professor – Chemistry; Affiliated Faculty – DSSC
(412)-268-3848
dg4b@andrew.cmu.edu

Ghose, Saugata
Post Doctoral Research Associate – ECE
(412)-268-9192
saugatag@andrew.cmu.edu

Gibbons, Phil
Professor – ECE
(412)-268-5890
pgibbons@andrew.cmu.edu

Gibson, Garth
Professor – CS; Courtesy Professor – ECE; Affiliated Faculty – DSSC
garth@cs.cmu.edu

Gligor, Virgil
Professor – ECE; Co-Director – CyLab
(412)-268-9833
virgil@andrew.cmu.edu

Goldstein, Seth
Associate – CS; Courtesy Professor – ECE
(412)-268-3828
seth@cs.cmu.edu

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 – ECE
(412)-268-3707
dg07@andrew.cmu.edu

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

Gligor, Virgil
Professor – ECE; Co-Director – CyLab

Goldstein, Seth
Associate – CS; Courtesy Professor – ECE

Golub, Matt
Post Doctoral Research Associate – ECE

Gottron, Norman
Process Engineer – Nanofab

Greenfield, Anissa
Manager, Sponsored Research Administration – ECE

Greve, David
Professor – ECE

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

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

Grupe, Alan
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  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
Hong, Jason  Courtesy Professor – ECE; Associate Professor – CS  

Hug, Gabriela  Adjunct Faculty – ECE  

Iannucci, Bob  Director – CyLab Mobility Research Center; Distinguished Service Professor – ECE, Carnegie Mellon Silicon Valley  

Ilic, Jovan  Instructor – ECE  

Ilic, Marija  Professor – ECE  

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.

Jordan, Angel Emeritus University
Professor – ECE, RI
(412)-268-2590
ajordan@cs.cmu.edu

Keywords

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

K

Kanade, Takeo U.A. and Helen Whitaker Professor – CS, RI; Courtesy Professor – ECE
(412)-268-3016
tk@cs.cmu.edu

Keywords

Computer vision, autonomous systems, medical robotics

Kar, Soummya Assistant Research Professor – ECE
(412)-268-8962
soummayak@andrew.cmu.edu

Keywords

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

Kareis, Tomissa Research Administrator – ECE
(412)-268-3863
tkareis@ece.cmu.edu

Kass, Leona Associate Director of Student and Academic Affairs – ECE
(412)-268-2496
lkass@andrew.cmu.edu

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

Kim, Hoe Joon Post Doctoral Research Associate – ECE
hoejoonk@andrew.cmu.edu

Kimukin, Ibrahim Research Associate – ECE
ikimukin@andrew.cmu.edu

Kirby, Reenie Executive Assistant – JIE (412)-268-6579 reenie@cmu.edu

Knickerbocker, Kara Administrative Coordinator – ECE (412)-268-2389 krk@andrew.cmu.edu

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

Koopman, Philip Associate Professor – ECE, CS koopman@cmu.edu

Keywords
distributed embedded systems, survivable system architecture, dependability

Kova#evi#, Jelena David Edward Schramm Professor – ECE; Department Head – ECE; Professor – BME; Director – Center for Bioimage Informatics
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 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
Kumar, Shobha Financial and Research Administrator – ECE-SV shobhak@andrew.cmu.edu
Kurpiewski, Matthew Systems Administrator – ECE mkurp@andrew.cmu.edu

Lambeth, David N. Emeritus Professor – 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. Assistant Research Professor – ECE ianlane@cs.cmu.edu
Laughlin, David ALCOA Professor – MSE; Courtesy Professor – ECE; Affiliated Faculty – DSSC 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 Assistant Professor – JIE; Adjunct (412) 268-7750
Li, Xin Associate Professor – ECE (412)-268-6507
xinli@ece.cmu.edu

Integrated circuits, computer-aided design
Li-Hagerty, Lorraine Business Program Manager – JIE (412) 268-1099
Lhagerty@cmu.edu
Lindenfelser, Karen Administrative Manager – PDL; Administrative Coordinator – ECE (412)-268-6716
karen@ece.cmu.edu
Liu, Zhaojun Assistant Professor – JIE; Visiting Professor – ECE 412-268-7159
zhaojun@ece.cmu.edu
Lloyd, Asia  Senior Administrative Coordinator – ECE  (412)-268-4632 aslloyd@ece.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

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  Emeritus Professor – 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  Associate Department Head for Academic Affairs – ECE; Professor – ECE  (412)-268-1167 dianam@ece.cmu.edu

Keywords

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

Martins, Rolando  Post Doctoral Research Associate – ECE  (412)-268-2476 martinsr@ece.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

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 Associate Research Professor – ECE ole.mengshoel@sv.cmu.edu

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

Moe, Tara Associate 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 mmoneck@andrew.cmu.edu

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

Keywords

Technology and policy including climate change and electric power

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

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

Keywords

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

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

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

Computer architecture, compilers, operating systems, parallel processing

Moya, Linda Affiliated Faculty – ECE lhmyoa@andrew.cmu.edu
Mukherjee, Tamal Professor – ECE (412)-268-8522 tamal@ece.cmu.edu

Keywords

Analog/RF/MEMS/biofluidic microsystem design

Mutlu, Onur Associate (412)-268-1186
Professor – ECE, CS onur@cmu.edu

Keywords

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

N

Nace, Bill Associate Teaching (412)-268-7027
Professor – ECE 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

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

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

O

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
cecile.peraire@sv.cmu.edu

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

Pérol, Cécile
Assistant Teaching Professor – ECE

Keywords

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

Pagliarini, Samuel
Post Doctoral Research Associate – ECE
spagliar@ece.cmu.edu

Pallo, Adam P.
Finance and Research Administrator – ECE
(412)-268-2188
apallo@ece.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

Patterson, Carol
Administrative Coordinator – ECE
(412)-268-7286
carol@ece.cmu.edu

Patton, Ashley
Director of Engagement and Annual Giving – ECE
awpatton@andrew.cmu.edu

Pavlo, Andy
Courtesy Professor – ECE
pavlo@cs.cmu.edu

Peha, Jon
Professor – EPP; Courtesy Professor – ECE
(412)-268-7126
peha@ece.cmu.edu

Keywords

Telecommunications, wireless networks, internet, spectrum management, communications for homeland security, electronic commerce, developing countries, universal service, security
Perrig, Adrian  Adjunct Professor – ECE; Professor – EPP, CS; Technical Director – CyLab
(412)-268-2242
adrian@ece.cmu.edu

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

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

Rajkumar, Rai  Professor – ECE, CS; Co-Director – GM-CM CRL; Director – Real-Time and Multimedia Systems Laboratory
(412)-268-8707
raj@ece.cmu.edu
Keywords

Embedded and real-time systems

Ramakrishnan, Bhiksha Raj Courtesy Professor – ECE; Associate Professor – LTI bhiksha@cs.cmu.edu

Reddy, Raj Courtesy Professor – ECE; Mozah Bint Nasser University Professor – CS reddy@cs.cmu.edu

Reif, Brian Temporary Employee - Engagement and Annual Giving – ECE breif@andrew.cmu.edu

Ricketts, David Adjunct Professor – ECE ricketts@ece.cmu.edu

Keywords

Nanoscale electronics, nanoscale devices, nonlinear dynamics, analog circuits

Rohde, Gustavo K. Associate Professor – BME; Courtesy Professor – ECE gustavor@andrew.cmu.edu

Rohrer, Ronald A. Emeritus Professor – 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

Rybski, Paul E. Systems Scientist – RI; Adjunct Professor – ECE (412)-268-7417 prybski@cs.cmu.edu

Keywords

Human/robot interaction, mobile robotics
Salvador, Paul A. Associate Professor – MSE; Affiliated Faculty – DSSC
Sankaranarayanan, Aswin Assistant Professor – ECE
Santhanam, Suresh Process Engineer – ECE
Santos, Augusto Post Doctoral Research Associate – ECE
Satyanarayanan, Mahadev Carnegie Professor – CS; Courtesy Professor – ECE
Savvides, Marios Research Professor – ECE; Director – CyLab Biometrics Center

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

Schlesinger, T.E. (Ed) Adjunct Professor – ECE

Keywords
Semiconductor devices, information storage, optoelectronic systems

Schneider, Jeff Research Professor – RI; Courtesy Professor – ECE
Scott, Stephanie Academic Program Advisor – ECE
Sekar, Vyas Assistant Professor – ECE

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

Serafin, Stephen Senior Systems Engineer – ECE
Seshan, Srinivasan Associate Professor – CS; Courtesy Professor – ECE
Keywords

Network protocols, applications, distributed systems, mobile computing, wireless networks
Shaw, David Post Doctoral Research Associate – ECE (412)-268-7114 dashaw@ece.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 – ECE, CS; Director – HCII (412)-268-2570 dps@ece.cmu.edu

Keywords

Computer architecture, reliability, context aware mobile computing
Singh, Bob Adjunct Instructor – ECE-SV bob.singh@west.cmu.edu
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
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 xds@andrew.cmu.edu

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

**Stancil, Daniel** Adjunct Professor – ECE ddstancil@ncsu.edu

Keywords

Wireless communications, nanophotonics, spin wave devices

**Steenkiste, Peter** Professor – ECE, CS (412)-268-3261 prs@cs.cmu.edu

Keywords

Computer networks, distributed systems, pervasive computing

**Stern, Richard** Professor – ECE, LTI, CS, BME; Lecturer – Music (412)-268-2535 rms@ece.cmu.edu

Keywords

Automatic speech recognition, auditory perception, signal processing

**Stevens, Dave** Facilities Assistant – ECE 412-268-2470 daves@andrew.cmu.edu

**Stevenson, Kayleigh** Finance and Business Assistant – 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  
Keywords  
Audio signal processing, music and sound recording applications  
Phone: (412)-268-3351  
Email: tms@ece.cmu.edu

Sundar, Vignesh  
Post Doctoral Research Associate – DSSC  
Phone: (412)-268-3351  
Email: vigneshs@andrew.cmu.edu

Tague, Patrick  
Associate Research Professor – CyLab, INI, ECE  
Keywords  
Network security; Wireless networking  
Phone: (650)-335-2827  
Email: patrick.tague@sv.cmu.edu

Talukdar, Sarosh  
Emeritus Professor – ECE  
Keywords  
Autonomous agents, distributed control, power systems, cascading failures  
Phone: (412)-268-8778  
Email: talukdar@ece.cmu.edu

Tang, Xiaoying  
Assistant Professor – JIE; Visiting Professor – ECE  
Phone: (412)-268-5244  
Email: txiaoyin@ece.cmu.edu

Thomas, Donald  
Professor – ECE  
Phone: (412)-268-3545  
Email: thomas@ece.cmu.edu

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

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

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

Towe, Elias  
Professor – ECE; Albert and Ethel Grobstein Memorial Professor – MSE; Director – CNXT  
Phone: (412)-268-8091  
Email: towe@cmu.edu
Keywords
Photonics, optical networks, biophotonics, sensors, quantum phenomena in optical materials.

Treuille , Adrien Courtesy  
Professor – ECE; Assistant Professor – CS  
treuelle@cs.cmu.edu

U

Ustun , Taha Selim Assistant Teaching  
Professor – ECE  
(412)-268-4862  
ustun@cmu.edu

Keywords
Power Systems Protection, Communication in Power Networks, Distributed Generation, Microgrids and Smartgrids

V

Vaclav , Robyn Temporary Employee  
Services - Sponsored Research Administration – ECE  
rmmoore@ece.cmu.edu

Vadnais , Olivia Administrative  
Coordinator – ECE  
(412)-268-9192  
orv@andrew.cmu.edu

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

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

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

W

Wang , Kai Assistant  
Professor – JIE; Adjunct Professor – ECE  
412.268.7786  
wangkai@andrew.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 Assistant Professor – ECE (412)-268-6940  
Jiweldon@ece.cmu.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

Keywords

Magnetic nanotechnology

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

Keywords

Specification, verification, reliability, security, distributed systems, software engineering, programming languages

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

Keywords

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

Yankasky, Shauntae Academic Advising Support – ECE
(412)-268-6581
scyank@andrew.cmu.edu

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

Keywords

Ye, Terry Associate Professor – JIE; Visiting Professor – ECE
(412) 268-7750
terryye@ece.cmu.edu
Yu, Zhiyi  Associate Professor – JIE; Visiting Professor – ECE  (412) 268-5401  zhiyiyu@andrew.cmu.edu

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

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

Z

Zhang, Jun  Assistant Professor – JIE; Visiting Professor – ECE  (412) 268-3935  junz2@ece.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

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

Keywords
Computer networks, internet, resource management, multimedia

Zhu, Jimmy  Co-Director – JIE; 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