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 | Associate 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 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

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 (412)-268-9745 judy@ece.cmu.edu

Bauer, Lujo | Associate Professor – ECE, ISR 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

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

Benicky, Sheryl | Research Administrator – ECE (412)-268-3729 sbenicky@ece.cmu.edu

Alacce, John Systems Administrator – ECE (412)-268-6649 jalacce@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 (412)-268-6492 dga2@andrew.cmu.edu

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

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 (412)-268-9745 judy@ece.cmu.edu

Bauer, Lujo Associate Professor – ECE, ISR 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

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

Benicky, Sheryl Research Administrator – ECE (412)-268-3729 sbenicky@ece.cmu.edu
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

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

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

Blanton, Shawn Professor – ECE; Associate Director – JIE
rblanton@andrew.cmu.edu

Bollapragada, Vara Post Doctoral Research Associate – ECE
sbollap@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; Director – CyLab; Professor – ECE
dbrumley@ece.cmu.edu

Bryant, Randal Professor – CS; Courtesy Professor – ECE
(412)-268-8821
bryant@cs.cmu.edu

Carley, Kathleen Professor – ISR; Courtesy Professor – ECE
kathleen.carley@cs.cmu.edu

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

Distributed fault-tolerant computing and computer networks

Test and diagnosis of heterogeneous, integrated systems

Formal hardware and software verification

Communications Manager – ECE
kgregan@ece.cmu.edu

(412)-268-5316

Carley, Kathleen Professor – ISR; Courtesy Professor – ECE
kathleen.carley@cs.cmu.edu

(412)-268-6016
Carley, Rick ST Microelectronics Professor – ECE; Affiliated Faculty – DSSC (412)-268-3597 lrc@ece.cmu.edu

Keywords

CAD and design of analog signal processing circuits and MEMS systems

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 ichomas@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; Associate Research 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
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

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

Copetas, Catherine  ECE/SCS Office of Engagement and Annual Giving – ECE
412-268-1470
copetas@andrew.cmu.edu

Costa, Katie  Student Organizations and Activities Advisor – ECE  (412)-268-3299
kcosta@andrew.cmu.edu

Cowan, Christina  Executive Assistant to the Department Head and Administrative Services Manager – ECE
(412)-268-7534
ccowan@andrew.cmu.edu

Cranor, Lorrie F.  Professor – ISR, EPP; Courtesy Professor – ECE  lorrie@cs.cmu.edu

Keywords

Usable privacy and security

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 – 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

Donegan, Asia Senior Administrative Coordinator – ECE (412)-268-4632
asilloyd@ece.cmu.edu

Echko, Michelle Financial Analyst – ECE 412-268-2939
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 (412)-268-9531
elgersma@ece.cmu.edu

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

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

Keywords

Databases, data mining, multimedia indexing, performance evaluation

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

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 (412)-268-4745
danfas@ece.cmu.edu

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

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 franzt@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, Donna International Scholar Coordinator – ECE
412-268-3407 dfrost@andrew.cmu.edu

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
ag4bt@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  (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  (412)-268-9833
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
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 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

Keywords

Haptics, microassembly, dynamically stable mobile robots

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

Keywords

Power systems, optimization, control, energy networks, decomposition

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

Keywords

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

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

Ilic, Marija Professor – 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 (412)-268-8999 mohammad@andrew.cmu.edu

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

Jahanian, Farnam Vice President for Research – CMU; Courtesy Professor – ECE farnam@andrew.cmu.edu
Jhon, Myung S. Professor – ChemE; Affiliated Faculty – DSSC
Jia, Limin Assistant Research Professor – CyLab, INI, ECE
Keywords
Language-based security, programming languages, logic and program verification.
Jia, Limin Assistant Research Professor – CyLab, INI, ECE
Jia, Limin Assistant Research Professor – CyLab, INI, ECE
Keywords
Language-based security, programming languages, logic and program verification.
Joe-Wong, Carlee Adjunct Faculty – ECE
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
Ka...
Keywords

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

Kim, Hyong  Drew D. Perkins  (412)-268-6491
Professor – ECE  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  (412)-268-7293  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

Kova#evi#, Jelena  David Edward  (412) 268-3299
Schramm University Professor and Head – ECE; University Professor – BME  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 (412)-268-3513
Professor – ECE; Affiliated Faculty – DSSC kryder@ece.cmu.edu

Keywords

Magnetic recording, optical recording and ferroelectric materials

Kumar, Swarun S. Assistant 412-268-1892
Professor – ECE swarun@cmu.edu

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

Donegan, Asia Senior Administrative (412)-268-4632
Coordinator – ECE aslloyd@ece.cmu.edu

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

Keywords

Physical and chemical sensors, transducers, MEMS, magnetism, materials, thin films, data storage and RF devices

Lane, Ian R. Associate Research 650-335-2824
Professor – ECE ianlane@cs.cmu.edu

Laughlin, David ALCOA (412)-268-2706
Professor – MSE; Courtesy dl0p@andrew.cmu.edu
Professor – ECE; Affiliated Faculty – DSSC

Keywords

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

Leathers, Diana Administrative 650-335-2824
Coordinator – ECE 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 mingli1@andrew.cmu.edu
Professor – ECE

Li, Xin Associate Professor – ECE (412)-268-6507
Keywords
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 412-268-7786 zhaojun@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 alynch@ece.cmu.edu
Macurdy, Lukas Equipment Technician – Nanofab lmacurdy@andrew.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 (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, 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

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

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

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

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

Morchower , Bari Temporary Employee Services - Academic Services Center – ECE 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 (412)-268-6341 moura@ece.cmu.edu
Initiatives – ECE; Philip L. and Marsha Dowd University
Professor – ECE, BME; Affiliated Faculty – DSSC

Keywords

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

Moutis, Panayiotis Post Doctoral Research (412) 268-7114
Associate – ECE

Mowry, Todd Professor – CS; Courtesy Professor – ECE; Co-Director – CALCM

Keywords

Computer architecture, compilers, operating systems, parallel processing

Moya, Linda Affiliated Faculty – ECE

Mukherjee, Tamal Professor – ECE

Keywords

Analog/RF/MEMS/biofluidic microsystem design

Mutlu, Onur Adjunct Professor – ECE

Keywords

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

N

Nace, Bill Associate Teaching Professor – ECE

Keywords

Digital Design, Embedded Systems, Networks

Narasimhan, Priya Professor – ECE

Keywords

fault tolerance, distributed systems, embedded systems, mobile systems

Negi, Rohit Professor – ECE; Affiliated Faculty – DSSC

negi@ece.cmu.edu
Keywords

Wireless systems, networking, sensor networks, signal processing, coding for communications, information theory

Noh , Hae Young Assistant Professor – CEE; Courtesy Professor – ECE

O'Hallaron , David Professor – CS, ECE; Director – Intel Research Pittsburgh

Keywords

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

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

Ozdoganlar , Neslihan M.S. Academic Program Advisor – ECE

Péraire , Cécile Assistant Teaching Professor – ECE

Püschel , Markus Adjunct Professor – ECE

Keywords

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

Pagliarini , Samuel Post Doctoral Research Associate – ECE

Palko , Adam P. Finance and Research Administrator – ECE

Paramesh , Jeyanandh Associate Professor – ECE

Keywords

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

Pasareanu , Corina Senior Research Scientist – ECE-SV

Pasareanu , Corina Senior Research Scientist – ECE-SV

Périaire , Cécile Assistant Teaching Professor – ECE

Püschel , Markus Adjunct Professor – ECE

Keywords

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

Paramesh , Jeyanandh Associate Professor – ECE

Pşačen , Corina Senior Research Scientist – ECE-SV
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

Prelich-Knight, Lyz (412)-268-5087
lyz@ece.cmu.edu

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

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

Keywords

Embedded and real-time systems

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

Ramakrishnan, Bhiksha Raj bhiksha@cs.cmu.edu

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

Reddy, Raj reddy@cs.cmu.edu

Reyes, Brittany Academic Services and Student Organizations Coordinator – ECE

Reyes, Brittany bjreyes@andrew.cmu.edu

Ricketts, David Adjunct Professor – ECE

Ricketts, David ricketts@ece.cmu.edu

Keywords

Nanoscale electronics, nanoscale devices, nonlinear dynamics, analog circuits

Risley, Mason Process Engineer – Nanofab

Risley, Mason mrisle@andrew.cmu.edu

Rohde, Gustavo K. Associate Professor – BME; Courtesy Professor – ECE

Rohde, Gustavo K. gustavor@andrew.cmu.edu

Rohrer, Ronald A. Professor Emeritus – ECE

Rohrer, Ronald A. rohrer@ece.cmu.edu

Keywords

Electronic circuits, systems design automation

Rosvanis, James Nanofab Technician – Nanofab

Rosvanis, James (412)-268-1375
rosvanis@andrew.cmu.edu

Rowe, Anthony Associate Professor – ECE

Rowe, Anthony (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 prybski@cs.cmu.edu

Keywords

Human/robot interaction, mobile robotics

S
Salvador , Paul A.Associate Professor – MSE; Affiliated Faculty – DSSC paul7@andrew.cmu.edu
Sankaranarayanan , Aswin Assistant Professor – ECE saswin@ece.cmu.edu
Santhanam , Suresh Principal Process Engineer – ECE ss9s@andrew.cmu.edu
Santos , Augusto Post Doctoral Research Associate – ECE augustos@andrew.cmu.edu
Satyanarayanan , Mahadev Carnegie Professor – CS; Courtesy Professor – ECE satya@cmu.edu
Savvides , Marios Research Professor – ECE; Director – CyLab marioss@andrew.cmu.edu

Keywords

Biometric identification, Cyber-Physical Security, Authentication, Pattern recognition
Schlesinger , T.E. (Ed)Adjunct Professor – ECE ed@ece.cmu.edu

Keywords

Semiconductor devices, information storage, optoelectronic systems
Schneider , Jeff Research Professor – RI; Courtesy Professor – ECE jeff4@andrew.cmu.edu
Scott , Stephanie Academic Program Advisor – ECE (650)-335-2853
**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  
**Shen, John** Professor – ECE  
Keywords  
Modern superscalar processor design, instruction-level parallelism and code scheduling  
**Siewiorek, Daniel** Buhl University Professor – ECE, CS; Director – HCII  
Keywords  
Computer architecture, reliability, context aware mobile computing  
**Sinopoli, Bruno** Associate Professor – ECE, RI, MechE  
Keywords  
Networked embedded control systems, sensors/actuators networks, control theory  
**Sirbu, Marvin** Professor – EPP; Courtesy Professor – ECE  
Keywords  
Telecommunications policy and economics  
**Sitti, Metin** Professor – MechE, RI; Courtesy Professor – ECE; Affiliated Faculty – DSSC
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  xds@andrew.cmu.edu

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

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

Keywords

Wireless communications, nanophotonics, spin wave devices

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

Keywords

Computer networks, distributed systems, pervasive computing

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

Automatic speech recognition, auditory perception, signal processing

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

Stevenson, Kayleigh  Finance and Business Associate – ECE  (412)-268-8745
kayleigh@ece.cmu.edu

Strojwas, Andrzej  Keithley Professor – ECE  (412)-268-3530
ajs@ece.cmu.edu

Keywords

Statistically based CAD/CAM of VLSI circuits

Sullivan, Tom  Associate Teaching Professor – ECE; Lecturer – Music  (412)-268-3351
tms@ece.cmu.edu

Keywords

Audio signal processing, music and sound recording applications

Sundar, Vignesh  Post Doctoral Research Associate – DSSC  vigneshs@andrew.cmu.edu

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; Assistant Professor – JIE  (412) 268-5244
xiaoyin@ece.cmu.edu

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

Keywords

Computer-aided design of single chip heterogeneous multiprocessing systems

Tims, Joshua  Systems Administrator – ECE  (412)-268-5888

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

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

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.

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

U

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

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

V

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

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

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

W

Wang, Kai  Assistant Professor – JIE; Adjunct Professor – ECE
wangkai@andrew.cmu.edu
(412)-268-6726

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

Wasserman, Anthony  Adjunct Professor – ECE
tonyw@cmu.edu
(650)-335-2807
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

Keywords

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

Wen, Tianlong  
Post Doctoral Research Associate – Physics, DSSC  
(412)-268-2319

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

Keywords

Magnetic nanotechnology

Will, Regis  
Senior Systems Engineer – ECE  
(412)-268-3126

Wing, Jeannette M.  
President's Professor – CS; Courtesy Professor – ECE  
(412)-268-3068

Keywords

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

Woodhead, Vickie  
Undergraduate Advisor – ECE  
(412) 268-4425

X

Xu, Yinliang  
Assistant Professor – JIE; 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
(412)-268-2235 ydstie@andrew.cmu.edu

Ye, Terry
Associate Professor – JIE; 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; Associate Professor – JIE
zhiiyu@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