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

Bandola, Judy Administrative Coordinator – ECE
(412)-268-2224 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

Berges, Mario  Assistant Professor – CEE; Courtesy Professor – ECE

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

Keywords

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

Bianchini, Ronald  Adjunct Professor – ECE

Keywords

Distributed fault-tolerant computing and computer networks

Bintrim, Grace  Administrative Coordinator – ECE

Bishop, Cathy  Instructor – ECE

Blanton, Shawn  Professor – ECE

Keywords

Test and diagnosis of heterogeneous, integrated systems

Bollapragada, Vara  Post Doctoral Research Associate – ECE

Boni, Dante  Equipment Technician – Nanofab

Bosle, Kevin  Senior Buyer – ECE

Brown, Timothy X  Distinguished Service Professor – EPP, ECE

Brumley, David J.  Associate Professor – CS; Director – CyLab; Professor – ECE

Bryant, Randal  Professor – CS; Courtesy Professor – ECE

Keywords

Formal hardware and software verification
Burns, Krista  Communications (412)-268-5316
Manager – ECE  kgregan@ece.cmu.edu

C

Carley, Kathleen  Professor – ISR; Courtesy Professor – ECE
(412)-268-6016  kathleen.carley@cs.cmu.edu

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

Keywords

CAD and design of analog signal processing circuits and MEMS systems

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

Caruso, Stephanie  Academic Program (650)-335-2853
Advisor – ECE stephaniec@cmu.edu

Chamanzar, Maysam  Assistant 412-268-3390
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

Chi, Yuejie  Associate Professor – ECE yuejiec@andrew.cmu.edu

Chomas, Louis  Research (412)-855-9077
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 (412)-268-3096
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, Lenna  Corporate Relations – ECE  (412)-268-7689  cominos@andrew.cmu.edu

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

Conley, Kelley  Research Administrator – ECE  412-268-3729  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  Associate Professor – CyLab, ECE  danupam@andrew.cmu.edu

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

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

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

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

Dolan, John  Courtesy Professor – ECE; Senior Systems Scientist – RI  (412)-268-7988  jmd@cs.cmu.edu
Keywords

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

Du, Jian Post Doctoral Research Associate – ECE
(412)-268-3052 jian@andrew.cmu.edu

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

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

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

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

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

Fanti, Giulia Assistant Professor – ECE
babak.falsafi@epfl.ch

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

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

Feenstra, Randy Professor – Physics; Courtesy Professor – ECE

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

Keywords

Molecular beam epitaxy, scanning tunneling microscopy

Ferris, Sherri Administrative Coordinator – ECE

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

Fox, Toni Sponsored Research Assistant – CyLab

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

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

(412)-268-8297 franzf@ece.cmu.edu

Keywords

Automatic performance tuning; automatic software libraries generation; code generation for multicore CPUs, high-performance systems (HPC), GPUs, FPGA-acceleration; logic-in-memory and 3DIC systems; domain-specific languages and compilers

Fredrikson, Matt Assistant Professor – ISR, CS; Courtesy Professor – ECE

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

Keywords

Security, privacy, formal methods, and programming languages.

Frost, Brittany Senior Sponsored Research Assistant – CyLab

412-268-1212 bfriend@andrew.cmu.edu

Frost, Donna International Scholar Coordinator – ECE

412-268-3407 dfrost@andrew.cmu.edu

Furuta, Masaki Post Doctoral Research Associate – ECE

mfuruta@ece.cmu.edu

Gamble, Andrew Laboratory Electronics Supervisor – DSSC

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

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

Garba, Aminata Assistant Teaching Professor – ECE +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 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 – CSD; Courtesy Professor – ECE (412)-268-3828 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
g1q@andrew.cmu.edu

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

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

Grupe, Alan Senior Facilities Manager – ECE
(412)-268-2526
alan@ece.cmu.edu

Harchol-Balter, Mor Associate Professor – CS; Courtesy Professor – ECE
(412)-268-7893
harchol@andrew.cmu.edu

Keywords
Scheduling of computer systems, workload characterization, heavy-tailed distributions

Harding, Meighan Senior Director of Operations – ECE
(412)-268-8924
meighan.harding@ece.cmu.edu

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

Keywords
Tribology, nanomanufacturing, multi-scale particle flows

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

Keywords
Research in wireless technology and telecommunications policy

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

Hoburg, James Emeritus Faculty – ECE
(412)-268-2473
hoburg@ece.cmu.edu

Keywords
Electromagnetics, electromechanics, 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

**Hug, Gabriela** Adjunct Faculty – ECE  
ghug@ece.cmu.edu

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

**Keywords**

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

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

**Ilic, Marija** Professor Emeritus – ECE  
milic@ece.cmu.edu

**Keywords**

Large-scale systems modeling and simulation; power systems control and pricing algorithms; critical infrastructures/interdependencies

**Ishihara, Abe** Courtesy Professor – ECE  
abe.ishihara@sv.cmu.edu

**Jackson, Collin** Adjunct Professor – ECE  
collin.jackson@sv.cmu.edu

**Jahanian, Farnam** Vice President for Research – CMU; Courtesy Professor – ECE  
farnam@andrew.cmu.edu

**Jayan, B. Reeja** Courtesy Professor – ECE  
bjayan@andrew.cmu.edu
Jhon, Myung S. Professor – ChemE; Affiliated Faculty – DSSC
Jia, Limin Assistant Research Professor – CyLab, INI, ECE

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

Jia, Limin Assistant Research Professor – CyLab, INI, ECE

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

Johnson, Aaron Courtesy Professor – ECE, RI; Assistant Professor – MechE

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

Kar, Soummya Associate Professor – ECE

Keywords
Computer vision, autonomous systems, medical robotics

Kainerstorfer, Jana Courtesy Professor – ECE

Keywords
Keywords

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

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

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

Kelly, Shawn K.  Professor – ECE; Courtesy Professor – ECE; Senior Systems Scientist – ICES  skkelly@andrew.cmu.edu

Khosla, Pradeep K.  Adjunct Professor – ECE; Chancellor – University of California, San Diego  pkk@ece.cmu.edu

Keywords

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

Kim, Hyong  Drew D. Perkins  Professor – ECE  (412)-268-6491  kim@ece.cmu.edu

Keywords

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

Kimukin, Ibrahim  Associate – ECE  (412)-268-9013  ikimukin@andrew.cmu.edu

Kitani, Kris  Courtesy Professor – ECE; Assistant Research Professor – RI  kmkitani@andrew.cmu.edu

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

Kochhar, Abhay  Research Scientist – ECE  (412)-268-8013  askochha@andrew.cmu.edu

Koeske, Matt  Research Administrator – ECE  (412)-268-7293  koeske@ece.cmu.edu

Kompalli, Suryaprakash  Assistant Teaching Professor – ECE  +250 78 484 08 55  skompall@andrew.cmu.edu

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

distributed embedded systems, survivable system architecture, dependability

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

Keywords

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

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

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

Keywords

Synthesis and verification of embedded control software, distributed control strategies, distributed supervisory control, information and control in wireless sensor networks, discrete event and hybrid dynamic systems

Kryder, Mark
Emeritus University Professor – ECE; Affiliated Faculty – DSSC
(412)-268-3513
kryder@ece.cmu.edu

Keywords

Magnetic recording, optical recording and ferroelectric materials

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

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

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

Keywords

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

Lane, Ian R.
Associate Research Professor – ECE
ianlane@cs.cmu.edu

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

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

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

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

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

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

Keywords

Integrated circuits, computer-aided design

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

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

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

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 sm70@andrew.cmu.edu

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

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

Keywords

VLSI/computer architecture, energy aware computing, CAD for integrated systems
Marculescu, Radu Professor – ECE
(412)-268-8710
radum@ece.cmu.edu

Keywords

Embedded systems, multicore systems, on-chip communication, low-power design, cyber-physical systems.
Mattingly, Chloe Administrative Coordinator – DSSC, ECE
(412)-268-2650
chloem@andrew.cmu.edu

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

Keywords

Computer dependability and security; information warfare; intrusion detection; system diagnosis
McCarthy, Jillian M.S. Academic Program Advisor – ECE
(412) 268-3077
jrmccart@andrew.cmu.edu

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

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

Mehdizadeh, Emad Post Doctoral Research Associate – ECE
(412)-268-3077
emehdiza@ece.cmu.edu

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

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

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

Moe, Tara Director of Graduate Affairs – ECE
(412)-268-6327
taramoe@ece.cmu.edu
Mohimani, Hosein | Courtesy Professor – ECE; Assistant Professor – CBD

Moneck, Matthew | Executive Manager, ECE Nanofabrication Facility – Nanofab; Research Scientist – DSSC

Morchower, Bari | Student Organizations and Activities Advisor – ECE

Morgan, Granger | Professor – ECE; Lord Professor – EPP

Moura, José | Associate Department Head - Research & Strategic Initiatives – ECE; Philip L. and Marsha Dowd University Professor – ECE, BME; Affiliated Faculty – DSSC

Moutis, Panayiotis | Post Doctoral Research Associate – ECE

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

Moya, Linda | Assistant Teaching Professor – ECE, SDS

Mukherjee, Tamal | Professor – ECE

Mutlu, Onur | Adjunct Professor – ECE

Keywords

Technology and policy including climate change and electric power

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

Computer architecture, compilers, operating systems, parallel processing

Analog/RF/MEMS/biofluidic microsystem design

Mukherjee, Tamal | Professor – ECE

Mutlu, Onur | Adjunct Professor – ECE

Moura, José | Associate Department Head - Research & Strategic Initiatives – ECE; Philip L. and Marsha Dowd University Professor – ECE, BME; Affiliated Faculty – DSSC

Morgan, Granger | Professor – ECE; Lord Professor – EPP

Morchower, Bari | Student Organizations and Activities Advisor – ECE

Moneck, Matthew | Executive Manager, ECE Nanofabrication Facility – Nanofab; Research Scientist – DSSC

Mohimani, Hosein | Courtesy Professor – ECE; Assistant Professor – CBD

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

Moya, Linda | Assistant Teaching Professor – ECE, SDS

Mukherjee, Tamal | Professor – ECE

Mutlu, Onur | Adjunct Professor – ECE

Keywords

Technology and policy including climate change and electric power

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

Computer architecture, compilers, operating systems, parallel processing

Analog/RF/MEMS/biofluidic microsystem design
Keywords

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

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
(412)-268-8199
droh@cs.cmu.edu
Keywords

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

Oliver, Megan Academic Services Coordinator – ECE

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 Senior Research Scientist – ECE

Palko, Adam P. Finance and Research Administrator – ECE

Pandey, Manish Adjunct Faculty – ECE

Paramesh, Jeyanandh Associate Professor – ECE

Keywords

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

Parno, Bryan Associate Professor – ECE, CSD

Pasareanu, Corina Senior Research Scientist – ECE-SV

Patterson, Carolyn Administrative Coordinator – ECE

Pavlo, Andy Courtesy Professor – ECE

Peha, Jon Professor – EPP; Courtesy Professor – ECE
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.

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 – CS, ECE  
(412)-268-1558  
aplatzer@cs.cmu.edu

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

Prelich-Knight, Lyz Academic Services Coordinator – ECE  
(412)-268-5087  
lyz@ece.cmu.edu
Racko, Angela  Finance and Business  amracko@andrew.cmu.edu
Associate – ECE
Rajkumar, Raj  Professor – ECE, CS; Co-Director – GM-CM CRL; Director – Real-Time and Multimedia Systems Laboratory  raj@ece.cmu.edu
(412)-268-8707
Keywords
Embedded and real-time systems
Ramakrishnan, Bhiksha Raj  Courtesy bhiksha@cs.cmu.edu
Professor – ECE; Associate Professor – LTI
Ramsey, Erika  Temporary Employee eramsey@andrew.cmu.edu
Services - Finance and Business Associate – ECE
Reddy, Raj  Courtesy reddy@cs.cmu.edu
Professor – ECE; Mozah Bint Nasser University Professor – CS
Rengarajan, Vijay  Post Doctoral Research vangarai@andrew.cmu.edu
Associate – ECE
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 mrisley@andrew.cmu.edu
Engineer – Nanofab
Rohrer, Ronald A.  Professor rohrer@ece.cmu.edu
Emeritus – ECE
Keywords
Electronic circuits, systems design automation
Rosvanis, James  Nanofab rosvanis@andrew.cmu.edu
Technician – Nanofab (412)-268-1375
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

S

Caruso, Stephanie Academic Program Advisor – ECE (650)-335-2853 stephaniec@cmu.edu

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

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

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

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

Schneider, Jeff Research Professor – RI; Courtesy Professor – ECE jeff4@andrew.cmu.edu

Sekar, Vyas Assistant Professor – ECE vsekar@ece.cmu.edu

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

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

Shen, John Professor – ECE
jpshen@cmu.edu

Keywords

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

Siewiorek, Daniel Buhl University Professor – HCII, ECE, CSD (412)-268-2570
dps@ece.cmu.edu

Keywords

Computer architecture, reliability, context aware mobile computing

Singh, Rita Courtesy Professor – ECE; Senior Systems Scientist – LTI
rsingh@andrew.cmu.edu

Sinopoli, Bruno Professor – MechE, ECE, RI (412)-268-9432
brunos@ece.cmu.edu

Keywords

Networked embedded control systems, sensors/actuators networks, control theory

Sirbu, Marvin Professor – EPP; Courtesy Professor – ECE (412)-268-3436
sirbu@cmu.edu

Keywords

Telecommunications policy and economics

Sitti, Metin Professor – MechE, RI; Courtesy Professor – ECE; Affiliated Faculty – DSSC (412)-268-3632
sitti@cmu.edu

Keywords

Micro/nano-robotics, biologically inspired systems, nanotechnology, MEMS/NEMS

Skovira, Holly 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  xds@andrew.cmu.edu

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

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

Keywords

Wireless communications, nanophotonics, spin wave devices

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

Keywords

Computer networks, distributed systems, pervasive computing

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

Keywords

Automatic speech recognition, auditory perception, signal processing

Stevens, Dave  Facilities Assistant – ECE  412-268-2470  daves@andrew.cmu.edu
Stevenson, Kayleigh  Finance and Business Associate – ECE  (412)-268-8745  kayleigh@ece.cmu.edu

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

Keywords
Statistically based CAD/CAM of VLSI circuits

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

Keywords
Audio signal processing, music and sound recording applications

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

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

Keywords
Network security; Wireless networking

Talukdar, Sarosh  Professor Emeritus – ECE  (412)-268-8778  talukdar@ece.cmu.edu

Keywords
Autonomous agents, distributed control, power systems, cascading failures

Tang, Xiaoying  Adjunct Professor – ECE  txiaoyin@ece.cmu.edu  412-268-3584  stayur@andrew.cmu.edu

Tayur, Sridhar  Courtesy Professor – ECE; Professor – Tepper  412-268-3545  thomas@ece.cmu.edu

Thomas, Donald  Professor Emeritus – ECE  thomas@ece.cmu.edu

Keywords
Computer-aided design of single chip heterogeneous multiprocessing systems

Tims, Joshua  Systems Administrator – ECE  (412)-268-5888  jtims@ece.cmu.edu  412-268-4786  jtomko@andrew.cmu.edu  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

Keywords

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

U

Ustun, Taha Selim Assistant Teaching Professor – ECE
+250 78 659 24 78
tahas@andrew.cmu.edu

Keywords

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

V

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

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

Veras, Richard Post Doctoral Research Associate – ECE
rveras@andrew.cmu.edu

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

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

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

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

W

Wang, Kai Adjunct Professor – ECE
wangkai@andrew.cmu.edu

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

Weiler, Mark Equipment Manager, Nanofabrication Facility – ECE
mweiler@andrew.cmu.edu

Weiss, Lee Courtesy Professor – ECE; Research Professor – RI
lew@andrew.cmu.edu
Weldon, Jeffrey Adjunct Professor – ECE  jaweldon@hawaii.edu

Keywords

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

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

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

Keywords

Magnetic nanotechnology

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

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

X

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

Yagan, Osman Assistant Research Professor – ECE (412) 268-3976 oyagan@ece.cmu.edu

Keywords

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

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

Ye, Terry Adjunct Professor – ECE (412) 268-5401 terryye@ece.cmu.edu

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

Yu, Byron Associate Professor – ECE; Assistant Professor – BME (412)-268-9658 byronyu@cmu.edu

Keywords

Neural signal processing, machine learning approaches in neuroscience, neural prosthetic systems
Yu, Zhiyi  Adjunct Professor – ECE  zhiyiyu@andrew.cmu.edu

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

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  jzhu@ece.cmu.edu

Professor – ECE; Professor – MSE, Physics; Director – DSSC

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