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

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

Atwell, Niccole  Senior Associate Director of Engagement and Annual Giving – ECE  (412) 268-8858  atwell@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
(412)-268-2919
lberger@andrew.cmu.edu

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

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

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

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

Keywords
Distributed fault-tolerant computing and computer networks

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

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

Blanton, Shawn  Professor – ECE
(412)-268-2987
rblanton@andrew.cmu.edu

Keywords
Test and diagnosis of heterogeneous, integrated systems

Bollapragada, Vara  Post Doctoral Research Associate – ECE
sbollapr@ece.cmu.edu

Boni, Dante  Equipment Technician – Nanofab
(412)-268-2234
dboni@andrew.cmu.edu

Bosle, Kevin  Senior Buyer – ECE
(412)-268-9642
kbosle@ece.cmu.edu

Brown, Timothy X  Distinguished Service Professor – EPP, ECE
+250 78 767 40 62
timxb@andrew.cmu.edu

Brumley, David J.  Associate Professor – CS; Director – CyLab; Professor – ECE
(412)-268-3851
dbrumley@ece.cmu.edu

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

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

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

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

Chamanzar, Maysam Assistant Professor – ECE 412-268-3390 mchamanz@andrew.cmu.edu

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

Chase, Steven Courtesy Professor – ECE schase@andrew.cmu.edu
Chen, Tsuhan Adjunct Professor – ECE tsuhan@ece.cmu.edu

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

Chiot, Yuejie Adjunct Professor – ECE yuejiec@andrew.cmu.edu

Chomas, Louis Research Associate – DSSC; Cleanroom/MEMS Engineer – ECE lchomas@andrew.cmu.edu

Choset, Howie Professor – RI; Courtesy Professor – ECE (412)-268-2495 choset@cs.cmu.edu

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

Chraska, Jacqueline Administrative Coordinator – ECE (412)-268-3096 chraska@ece.cmu.edu

Christin, Nicolas Associate Research Professor – EPP; Assistant Research (412)-268-4432 nicolasc@andrew.cmu.edu
Keywords

Computer security, network security, online crime, security economics, usable security, algorithmic applications of game theory

Chung, Pil Seung Post Doctoral Research (412)-268-4035 pil@cmu.edu
Associate – ChemE, DSSC

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

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

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

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 lorrie@cs.cmu.edu
Professor – ECE

Keywords

Usable privacy and security

Datta, Anupam Associate danupam@andrew.cmu.edu
Professor – CyLab, ECE

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

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

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

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

Dolan, John Courtesy (412)-268-7988 jmd@cs.cmu.edu
Professor – ECE; Senior Systems Scientist – RI
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
(412)-268-9531
davide+receptionist@cs.cmu.edu

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

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

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

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

**Fanti, Giulia** Assistant Professor – ECE
gfanti@andrew.cmu.edu
(412)-268-4745
danfas@ece.cmu.edu

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

**Keywords**

Databases, data mining, multimedia indexing, performance evaluation

**Keywords**

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

**Keywords**

Microelectromechanical systems (MEMS), RF MEMS, inertial/bio/chemical sensors, MEMS CAD, micro-robotics
Feenstra, Randy Professor – Physics; Courtesy Professor – ECE

Keywords
Molecular beam epitaxy, scanning tunneling microscopy

Ferris, Sherri Administrative Coordinator – ECE

Fox, Toni Sponsored Research Assistant – CyLab

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

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

Keywords
Security, privacy, formal methods, and programming languages.

Frost, Brittany Senior Sponsored Research Assistant – CyLab

Frost, Donna International Scholar Coordinator – ECE

Furuta, Masaki Post Doctoral Research Associate – ECE

Gamble, Andrew Laboratory Electronics Supervisor – DSSC

Ganger, Greg Affiliated Faculty – CSD; Jatras Professor – ECE, CSD; Director – PDL

G
Keywords

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

**Garba, Aminata**  Assistant Teaching Professor – ECE  +250 78 152 04 72
aminata@ece.cmu.edu

**Geiger, Kristen**  Senior Research Administrator – ECE  (412) 268-3836
ksgeiger@andrew.cmu.edu

**Gellman, Andrew J. Lord**  Professor – ChemE; Professor – Chemistry; Affiliated Faculty – DSSC  (412)-268-3848
ag4b@andrew.cmu.edu

**Ghose, Saugata**  Systems Scientist – ECE  (412)-268-9192
saugatag@andrew.cmu.edu

**Gibbons, Phil**  Professor – ECE  pgibbons@andrew.cmu.edu

**Gibson, Garth**  Professor – CS; Courtesy Professor – ECE; Affiliated Faculty – DSSC  (412)-268-5890
garth@cs.cmu.edu

Keywords

Computer architecture, operating systems, file systems, disk arrays

**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
ngoton@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
Grover, Pulkit Assistant Professor – ECE martin.griss@west.cmu.edu
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

**Hug, Gabriela** Adjunct Faculty – ECE

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

**Ilic, Jovan** Associate Teaching Professor – ECE

**Ilic, Marija** Professor Emeritus – ECE

**Ishihara, Abe** Courtesy Professor – ECE

**Jackson, Collin** Adjunct Professor – ECE

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

**Jayan, B. Reeja** Courtesy Professor – ECE

**Jhon, Myung S.** Professor – ChemE; Affiliated Faculty – DSSC

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

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

**Jayan, B. Reeja** Courtesy Professor – ECE

**Jhon, Myung S.** Professor – ChemE; Affiliated Faculty – DSSC

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

Keywords

power systems, optimization, control, energy networks, decomposition

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

**Ilic, Jovan** Associate Teaching Professor – ECE

**Ilic, Marija** Professor Emeritus – ECE

**Ishihara, Abe** Courtesy Professor – ECE

**Jackson, Collin** Adjunct Professor – ECE

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

**Jayan, B. Reeja** Courtesy Professor – ECE

**Jhon, Myung S.** Professor – ChemE; Affiliated Faculty – DSSC

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

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

**Jayan, B. Reeja** Courtesy Professor – ECE

**Jhon, Myung S.** Professor – ChemE; Affiliated Faculty – DSSC

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

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

Joe-Wong, Carlee Assistant Professor – ECE

Keywords

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

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

Keywords

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

Joshi, Gauri Assistant Professor – ECE

Keywords

performance analysis, cloud computing, machine learning

K

Kainerstorfer, Jana Courtesy Professor – ECE

Keywords

Computer vision, autonomous systems, medical robotics

Kar, Soumya Associate Research Professor – ECE

Keywords

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

Kass, Leona Director of Student and Academic Affairs – ECE

(412)-268-2496

lkass@andrew.cmu.edu
Kavcic, Aleksandar Adjunct Faculty – ECE akavcic@andrew.cmu.edu
Kelly, Shawn K. Courtesy skkelly@andrew.cmu.edu
Professor – ECE; Senior Systems Scientist – ICES
Khosla, Pradeep K. Adjunct pkk@ece.cmu.edu
Professor – ECE; Chancellor – University of California, San Diego

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

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

Keywords
Advanced switch and network architectures, fault-tolerant network architectures, network management and control
Kimukin, Ibrahim Research (412)-268-9013
Associate – ECE ikimukin@andrew.cmu.edu
Kitani, Kris Courtesy kmkitani@andrew.cmu.edu
Professor – ECE; Assistant Research Professor – RI
Knickerbocker, Kara Administrative (412)-268-2389
Coordinator – ECE krk@andrew.cmu.edu
Kochhar, Abhay Research Scientist – ECE (412)-268-8013 askochha@andrew.cmu.edu
Koeske, Matt Research (412)-268-7293
Administrator – ECE koeske@ece.cmu.edu
Kompalli, Suryaprakash Assistant +250 78 484 08 55
Teaching Professor – ECE skompall@andrew.cmu.edu
Koopman, Philip Associate (412)-268-5225 koopman@cmu.edu

Keywords
distributed embedded systems, survivable system architecture, dependability
Kova#evi#, Jelena Hamerschlag (412) 268-3299
University Professor – 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 Emeritus University Professor – ECE; Affiliated Faculty – DSSC 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

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

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

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

M
Mahouski, Michelle  Academic Services Coordinator – ECE  (412)-268-4951  mmahousk@andrew.cmu.edu
Mai, Ken  Principal Systems Scientist – ECE  (412)-268-8335  kenmai@ece.cmu.edu

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

Majetich, Sara A  Professor – Physics; Courtesy Professor – ECE; Affiliated Faculty – DSSC  (412)-268-3105  sm70@andrew.cmu.edu
Maly, Wojciech  Professor Emeritus – ECE  (412)-268-6637  maly@ece.cmu.edu

Keywords
Computer-aided design and manufacturing of VLSICs

Marculescu, Diana  David Edward Schramm Professor – ECE; Associate Department Head for Academic Affairs – ECE  (412)-268-1167  dianam@ece.cmu.edu
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
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
hoseinm@andrew.cmu.edu

Moneck, Matthew Executive Manager, ECE Nanofabrication Facility – Nanofab; Research Scientist – DSSC
mmoneck@andrew.cmu.edu

Morchower, Bari Student Organizations and Activities Advisor – ECE
(412) 268-1470
Keywords
Technology and policy including climate change and electric power

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

Keywords
Computer architecture, compilers, operating systems, parallel processing

Keywords
Analog/RF/MEMS/biofluidic microsystem design

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

Keywords

Keywords
Digital Design, Embedded Systems, Networks

Narasimhan, Priya Professor – ECE (412)-268-8801
Keywords
fault tolerance, distributed systems, embedded systems, mobile systems

Narasimhan, Srinivasa Associate Professor – RI; Courtesy Professor – ECE 412-268-1199
Keywords
computational sensors, computer graphics, computer vision, image processing, optics

Negi, Rohit Professor – ECE; Affiliated Faculty – DSSC (412)-268-6264
Keywords
Wireless systems, networking, sensor networks, signal processing, coding for communications, information theory

Nguyen, Kimmy Event and Project Coordinator – ECE (412) 268-7138

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

Oliver, Megan Academic Services Coordinator – ECE 412-268-5621

Ozdoganlar, O. Burak Affiliated Faculty – DSSC; Associate Professor – MechE (412)-268-9890

Ozdoganlar, Neslihan M.S. Academic Program Advisor – ECE (412)-268-6581

wnace@cmu.edu

priya@cs.cmu.edu

srinivas@andrew.cmu.edu

negi@ece.cmu.edu

myn@andrew.cmu.edu

noh@cmu.edu

droh@cs.cmu.edu

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

Keywords

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

Pagliarini, Samuel  Senior Research Scientist – ECE  spagliar@ece.cmu.edu
Palko, Adam P.  Finance and Research Administrator – ECE  (412)-268-2188  apalko@ece.cmu.edu
Pandey, Manish  Adjunct Faculty – ECE  mpandey@andrew.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

Parno, Bryan  Associate Professor – CSD, ECE  (412) 268-2033  parno@cmu.edu
Pasareanu, Corina  Senior Research Scientist – ECE-SV  (650)-604-4767  pcorina@andrew.cmu.edu
Patterson, Carolyn  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.

**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

**Popli, Nipun** Post Doctoral Research Associate – ECE  
npopli@ece.cmu.edu

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

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

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

Keywords

Embedded and real-time systems
Ramakrishnan, Bhiksha Raj  Courtesy Professor – ECE; Associate Professor – LTI
Reddy, Raj  Courtesy Professor – ECE; Mozah Bint Nasser University Professor – CS
Reyes, Brittany  Academic Services and Student Organizations Coordinator – ECE
Ricketts, David  Adjunct Professor – ECE

Keywords
Nanoscale electronics, nanoscale devices, nonlinear dynamics, analog circuits

Risley, Mason  Process Engineer – Nanofab
Rohrer, Ronald A.  Professor Emeritus – ECE

Keywords
Electronic circuits, systems design automation

Rosvanis, James  Nanofab Technician – Nanofab
Rowe, Anthony  Associate Professor – ECE

Keywords
Embedded systems, distributed systems, sensor networks

Rutenbar, Rob A.  Adjunct Professor – ECE

Keywords
VLSI CAD, algorithms, analog and digital circuits, automatic speech recognition

Salvador, Paul A.  Associate Professor – MSE; Affiliated Faculty – DSSC
Sankaranarayanan, Aswin  Assistant Professor – ECE
Santhanam, Suresh  Principal Process Engineer – ECE
Satyanarayanan, Mahadev  Carnegie Professor – CS; Courtesy Professor – ECE

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

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

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

Keywords
Semiconductor devices, information storage, optoelectronic systems

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

Scott, Stephanie  Academic Program  (650)-335-2853
Advisor – ECE  scottsm@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  (412)-268-8734
Professor – CS; Courtesy Professor – ECE  srini@cmu.edu

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

Shah, Nihar  Assistant  nihars@andrew.cmu.edu
Professor – MLD, CSD; Courtesy Professor – ECE

Shen, John  Professor – ECE  jpshen@cmu.edu

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

Siewiorek, Daniel  Buhl University  (412)-268-2570
Professor – HCII, ECE, CSD  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 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, 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 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
Tayur, Sridhar  Courtesy Professor – ECE; Professor – Tepper  412-268-3584  stayur@andrew.cmu.edu
Thomas, Donald  Professor  Emeritus – ECE  (412)-268-3545  thomas@ece.cmu.edu
Keywords
Computer-aided design of single chip heterogeneous multiprocessing systems
Tims, Joshua  Systems Administrator – ECE  (412)-268-5888  jtims@ece.cmu.edu
Tomko, Jessica  Admissions Coordinator – ECE  (412)-268-4786  jtomko@andrew.cmu.edu
Tonguz, Ozan  Professor – ECE  (412)-268-5991  tonguz@ece.cmu.edu
Keywords
Optical networks, wireless networks and communications systems, and high-speed networking
Towe, Elias  Professor – ECE; Albert and Ethel Grobstein Memorial Professor – MSE; Director – CNXT  (412)-268-8091  towe@cmu.edu
Keywords
Photonics, optical networks, biophotonics, sensors, quantum phenomena in optical materials.
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

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

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  zhiiyu@andrew.cmu.edu

Keywords

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

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