**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** 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  
(412)-268-6492  
sanna@andrew.cmu.edu

**Anschuetz, Lou** IT Manager – ECE  
(412)-268-6817  
lou@ece.cmu.edu

**Antaki, James** Professor – BME; Courtesy Professor – ECE  
(412)-268-8858  
antaki@andrew.cmu.edu

**Atwell, Niccole** Senior Associate Director of Engagement and Annual Giving – ECE  
(412)-268-6492  
atwell@andrew.cmu.edu

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

**Balram, Nikhil** Adjunct Professor – ECE  
(412)-268-2224  
judy@ece.cmu.edu

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

**Bauer, Lujo** Associate Professor – ECE, ISR  
(412)-268-6326  
dbelotti@ece.cmu.edu

**Bauerle, Claire E.** Administrative Coordinator – ECE  
(412)-268-7422  
beckmann@cs.cmu.edu

**Beckmann, Nathan** Courtesy Professor – ECE; Assistant Professor – CSD  
(412)-268-7422  
cbeckerle@ece.cmu.edu

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

Keywords

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

**Balram, Nikhil** Adjunct Professor – ECE  
(412)-268-2224  
judy@ece.cmu.edu

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

**Bauer, Lujo** Associate Professor – ECE, ISR  
(412)-268-6326  
dbelotti@ece.cmu.edu

**Bauerle, Claire E.** Administrative Coordinator – ECE  
(412)-268-7422  
beckmann@cs.cmu.edu

**Beckmann, Nathan** Courtesy Professor – ECE; Assistant Professor – CSD  
(412)-268-7422  
cbeckerle@ece.cmu.edu

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

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

Brumley, David  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  kathleen.carley@cs.cmu.edu
Carley, Rick  ST Microelectronics  (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

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

Chong, Jike  Adjunct Instructor – ECE-SV  jchong@andrew.cmu.edu
Choset, Howie  Professor – RI; Courtesy Professor – ECE  choset@cs.cmu.edu

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

Chraska, Jacqueline  Administrative Coordinator – ECE  chraska@ece.cmu.edu

Christin, Nicolas  Associate Research Professor – EPP; Assistant Research Professor – CyLab; Courtesy Professor – ECE  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 Technical Academic Services Coordinator – ECE
412-268-6595 zcollier@andrew.cmu.edu

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

Condessa, Filipe Post Doctoral Research Associate – ECE
(412)-268-3729 fcondess@andrew.cmu.edu

Conley, Kelley Research Administrator – ECE
(412) 268-1120 kelleyc@andrew.cmu.edu

Contreras, Christina
(412)-268-7534 christina@cs.cmu.edu

Copetas, Catherine ECE/SCS Office of Engagement and Annual Giving – ECE
(412)-268-3299 ccowan@andrew.cmu.edu

Cowan, Christina Director of Administrative Services & Office of the Department Head – ECE
(412)-268-7534 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, CS
(412)-268-7264 danupam@andrew.cmu.edu

Davis, Robert John and Claire Bertucci Distinguished Professor – MSE; Courtesy Professor – ECE
(412)-268-8157 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  
Demby, Lauren Administrative Coordinator – DSSC, ECE  
Dey, Anind K. Associate Professor – HCII; Courtesy Professor – ECE  
Dolan, John Courtesy Professor – ECE; Senior Systems Scientist – RI  

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

Du, Jian Post Doctoral Research Associate – ECE  

Echko, Michelle Financial Analyst – ECE  
Eckhardt, Dave Courtesy Professor – ECE; Assistant Teaching Professor – CS  
Elgersma, Steve Senior Systems & Software Engineer – ECE  
Erdogmus, Hakan Associate Teaching Professor – ECE  

Faloutsos, Christos Professor – CS; Courtesy Professor – ECE  

Keywords  
Databases, data mining, multimedia indexing, performance evaluation  

Falsafi, Babak Adjunct Professor – ECE, CS  

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

Fanti, Giulia Adjunct Faculty – ECE  

E
**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

**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** Associate 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** Receptionist – CyLab  
412-268-1212
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

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

Garba, Aminata  Assistant Teaching
Professor – ECE

Geiger, Kristen  Senior Research
Administrator – ECE

Gellman, Andrew J.  Lord
Professor – ChemE; Professor – Chemistry; Affiliated
Faculty – DSSC

Ghose, Saugata  Systems Scientist – ECE

Gibbons, Phil  Professor – ECE
Gibson, Garth  Professor – CS; Courtesy
Professor – ECE; Affiliated Faculty – DSSC

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

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

Goldstein, Seth  Associate
Professor – CSD; Courtesy
Professor – ECE

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

Golub, Matt  Post Doctoral Research
Associate – ECE
**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

**Greve, David**  
Keywords  
Semiconductor device physics and semiconductor process technology, sensors

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

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

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

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

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

**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

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

**Hilton, Chad**  Senior Systems & Software Engineer – ECE  (412)-268-6037
Hoburg, James Emeritus Faculty – ECE  
Keywords  
Electromagnetics, electromechanics, electrohydrodynamics, microfluidics  
Hoe, James C. Professor – ECE, CS; Co-Director – CALCM  
Keywords  
Computer architecture, high-level hardware description and synthesis  
Hoffman, Steve Machine Shop Foreman – ECE  
Keywords  
Haptics, microassembly, dynamically stable mobile robots  
Hong, Jason Courtesy Professor – ECE; Associate Professor – CS  
Keywords  
power systems, optimization, control, energy networks, decomposition  
Iannucci, Bob Director – CyLab Mobility Research Center; Distinguished Service Professor – ECE, Carnegie Mellon Silicon Valley  
Keywords  
Mobile and embedded computing, scalable systems, sensor networks, emergency communications systems  
Ilic, Jovan Associate Teaching Professor – ECE  
Keywords  
Ilic, Marija Professor – ECE  
Keywords  

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  mohammad@andrew.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
Jhon, Myung S.  Professor – ChemE; Affiliated Faculty – DSSC  mj3a@andrew.cmu.edu
Jia, Limin  Assistant Research Professor – CyLab, INI, ECE  liminjia@andrew.cmu.edu

Keywords

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

Joe-Wong, Carlee  Assistant Professor – ECE  650-335-2832  cjoewong@andrew.cmu.edu

Keywords

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

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

Keywords

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

Joshi, Gauri  Adjunct Faculty – ECE  gaurij@andrew.cmu.edu

Keywords

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

Keywords

Computer vision, autonomous systems, medical robotics

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

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 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 Research Associate – ECE  
(412)-268-9013  
ikiimukin@andrew.cmu.edu

Kirby, Reenie Administrative Coordinator – ECE  
(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
+250 78 484 08 55
skompalli@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
dl0p@andrew.cmu.edu

Keywords

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

Leathers, Diana Administrative Coordinator – ECE
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 Associate Professor – ECE
(412)-268-6507
xinli@ece.cmu.edu

Keywords

Integrated circuits, computer-aided design

Li-Hagerty, Lorraine Administrative Coordinator – ECE
(412) 268-1099
lhagerty@cmu.edu

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 Systems Scientist – ECE
(412) 268-5663
lowt@andrew.cmu.edu

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

Lynch, Aydaen Senior Systems & Software Engineer – ECE
(412)-268-5818
alyanch@ece.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 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

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
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

Moneck, Matthew  
Executive Manager, ECE Nanofabrication Facility – Nanofab; Research Scientist – DSSC  
(412)-268-5430  
mmoneck@andrew.cmu.edu

Morchower, Bari  
Student Organizations and Activities Advisor – ECE  
(412) 268-1470  
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 Initiatives – ECE; Philip L. and Marsha Dowd University Professor – ECE, BME; Affiliated Faculty – DSSC  
(412)-268-6341  
moura@ece.cmu.edu

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

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

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

Keywords
Computer architecture, compilers, operating systems, parallel processing

Moya, Linda  
Assistant Teaching Professor – ECE, SDS  
412-268-8364  
lhmoya@andrew.cmu.edu

Mukherjee, Tamal  
Professor – ECE  
(412)-268-8522  
tamal@ece.cmu.edu
Keywords

Analog/RF/MEMS/biofluidic microsystem design

Mutlu, Onur Adjunct Professor – ECE

onur@cmu.edu

Keywords

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

Nace, Bill Associate Teaching Professor – ECE

wnace@cmu.edu

Keywords

Digital Design, Embedded Systems, Networks

Narasimhan, Srinivasa Associate Professor – RI; Courtesy Professor – ECE

srinivas@andrew.cmu.edu

Keywords

computational sensors, computer graphics, computer vision, image processing, optics

Narasimhan, Priya Professor – ECE

(412)-268-8801

priya@cs.cmu.edu

Keywords

fault tolerance, distributed systems, embedded systems, mobile systems

Negi, Rohit Professor – ECE; Affiliated Faculty – DSSC

(412)-268-6264

negi@ece.cmu.edu

Keywords

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

Nguyen, Kimmy Event and Project Coordinator – ECE

(412) 268-7138

myn@andrew.cmu.edu

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

noh@cmu.edu

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

droh@cs.cmu.edu

(412)-268-8199
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

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
Research Scientist – 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

Parno, Bryan
Associate Professor – CSD, ECE

Pasareanu, Corina
Senior Research Scientist – ECE-SV

Patterson, Carolyn
Administrative Coordinator – ECE

Patton, Ashley
Director of Engagement and Annual Giving – ECE

Pavlo, Andy
Courtesy Professor – ECE

Peha, Jon
Professor – EPP; Courtesy Professor – ECE

Peha, Jon
Professor – ECE

Peha, Jon
Professor – ECE

Peha, Jon
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

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

Keywords

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

Pileggi, Larry Tanoto Professor – ECE

Keywords

Design, implementation and modeling of electronic integrated systems

Platzer, Andre Assistant Professor – CS, ECE

Keywords

Verification of embedded control systems, hybrid dynamical systems, cyber-physical systems, distributed hybrid systems, logic and formal methods
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
raj@ece.cmu.edu

Keywords
Embedded and real-time systems

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

Reyes, Brittany  Academic Services and Student Organizations Coordinator – ECE
bjreyes@andrew.cmu.edu

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

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

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

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

Keywords
Electronic circuits, systems design automation

Rowe, Anthony  Associate Professor – ECE
agr@ece.cmu.edu

Keywords
Embedded systems, distributed systems, sensor networks

Rutenbar, Rob A.  Adjunct Professor – ECE
rutenbar@ece.cmu.edu

Keywords
VLSI CAD, algorithms, analog and digital circuits, automatic speech recognition
**Salvador, Paul A.** Associate 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

**Santos, Augusto** Post Doctoral Research Associate – ECE

(412)-268-9499
augustos@andrew.cmu.edu

**Satyanarayanan, Mahadev** Carnegie Principal Process Engineer – CS; Courtesy Professor – ECE

(412)-268-3743
satya@cmu.edu

**Savvides, Marios** Research Professor – ECE; Director – CyLab Biometrics Center

(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

(650)-335-2853
jeff4@andrew.cmu.edu

**Scott, Stephanie** Academic Program Advisor – ECE

scottsm@andrew.cmu.edu

**Sekar, Vyas** Assistant Professor – ECE

vsekar@ece.cmu.edu

**Serafin, Stephen** Senior Systems Engineer – ECE

(412)-268-5716
sserafin@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

(650)-335-2853
jeff4@andrew.cmu.edu

**Scott, Stephanie** Academic Program 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

**Serafin, Stephen** Senior Systems Engineer – ECE

(412)-268-5716
sserafin@ece.cmu.edu

**Seshan, Srinivasan** Associate Professor – CS; Courtesy Professor – ECE

(412)-268-8734
srini@cmu.edu
Keywords

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

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

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 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 412-268-3200 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
Keywords
Audio signal processing, music and sound recording applications
(412)-268-3351
tms@ece.cmu.edu

Sundar, Vignesh
Post Doctoral Research Associate – DSSC
Keywords
Audio signal processing, music and sound recording applications
vigneshs@andrew.cmu.edu

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

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

Tang, Xiaoying
Adjunct Professor – ECE
Keywords
Computer-aided design of single chip heterogeneous multiprocessing systems
(412)-268-5888
txiaoyin@ece.cmu.edu

Thomas, Donald
Professor Emeritus – ECE
Keywords
Computer-aided design of single chip heterogeneous multiprocessing systems
(412)-268-3545
thomas@ece.cmu.edu

Tims, Joshua
Systems Administrator – ECE
Keywords
Optical networks, wireless networks and communications systems, and high-speed networking
(412)-268-5888
jtims@ece.cmu.edu

Tomko, Jessica
Admissions Coordinator – ECE
Keywords
Optical networks, wireless networks and communications systems, and high-speed networking
(412)-268-4786
jtomko@andrew.cmu.edu

Tonguz, Ozan
Professor – ECE
Keywords
Optical networks, wireless networks and communications systems, and high-speed networking
(412)-268-5991
tonguz@ece.cmu.edu

Towe, Elias
Professor – ECE; Albert and Ethel Grobstein Memorial Professor – MSE; Director – CNXT
Keywords
Optical networks, wireless networks and communications systems, and high-speed networking
(412)-268-8091
towe@cmu.edu
Keywords
Photonics, optical networks, biophotonics, sensors, quantum phenomena in optical materials.

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

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

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

Veloso, Manuela  mmv@cs.cmu.edu
Professor – CS; Courtesy Professor – ECE
Verissimo, Paulo  Adjunct Professor – ECE  pjt@di.fc.ul.pt
Vernon, David  Teaching Faculty – ECE  vernon@cmu.edu
Vidal Alvarez, Gabriel  gvidal@andrew.cmu.edu
Post Doctoral Research Associate – ECE
Vieira, Deb  debraost@ece.cmu.edu
Senior Multimedia Designer – ECE

Wang, Kai  wangkai@andrew.cmu.edu
Adjunct Professor – ECE
Wang, Yao  yaowang@ece.cmu.edu
Post Doctoral Research Associate – ECE
(412)-268-6726
Wasserman, Anthony  tonyw@cmu.edu
Adjunct Professor – ECE  (650)-335-2807
Weiler, Mark  mweiler@andrew.cmu.edu
Equipment Manager, Nanofabrication Facility – ECE
Weiss, Lee  lew@andrew.cmu.edu
Courtesy Professor – ECE; Research Professor – RI
Weldon, Jeffrey  jweldon@ece.cmu.edu
Associate Professor – ECE
(412)-268-6940

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

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 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
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, Jia**  Associate Teaching Professor – ECE  
[Email](mailto:jia.zhang@sv.cmu.edu)  
(650)-335-2824

**Zhang, Joy**  Adjunct Professor – ECE  
[Email](mailto:joy@cs.cmu.edu)

**Zhang, Pei**  Associate Research Professor – ECE  
(650)-335-2823  
[Email](mailto:peizhang@cmu.edu)

**Keywords**  
Sensor Networks, Embedded Systems

**Zhang, Hui**  Professor – CS; Courtesy Professor – ECE  
(412)-268-8945  
[Email](mailto:hzhang@cs.cmu.edu)

**Keywords**  
Computer networks, internet, resource management, multimedia

**Zhu, Jimmy**  ABB  
Professor – ECE; Professor – MSE, Physics; Director – DSSC  
(412)-268-8373  
[Email](mailto:jzhu@ece.cmu.edu)

**Keywords**  
Micromagnetics, magnetoelectronic devices, magnetic recording

**Ziccardi, Chad**  Principal Systems Engineer – ECE  
(412)-268-4453  
[Email](mailto:ziccardi@ece.cmu.edu)

**Zurcher, Elaine**  Systems Administrator – ECE  
(412)-268-1210  
[Email](mailto:egadd@ece.cmu.edu)