**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)-268-6817  
sanna@ece.cmu.edu

**Anschuetz, Lou**  IT Manager – ECE  
(412)-268-6858  
lou@ece.cmu.edu

**Antaki, James**  Professor – BME; Courtesy Professor – ECE  
(412)-268-6817  
antaki@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

**Bandola, Judy**  Administrative Coordinator – ECE  
(412)-268-2224  
judy@ece.cmu.edu

**Bauer, Lujo**  Associate Professor – ISR, ECE  
(412)-268-9745  
lbauer@cmu.edu

**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

**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

**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

**Keywords**

Computer security, access control, program monitoring, security automata, policy specification
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

Bishop, Cathy  Instructor – ECE

Keywords
Test and diagnosis of heterogeneous, integrated systems

Bollapragada, Vara  Post Doctoral Research Associate – ECE

Keywords
Formal hardware and software verification

Boni, Dante  Equipment Technician – Nanofab

Burns, Krista  Communications Manager – ECE

Keywords

Carley, Kathleen
Professor – ISR; Courtesy Professor – ECE
Carley, Rick
ST Microelectronics
Professor – ECE; Affiliated Faculty – DSSC

Carley, Kathleen
(412)-268-6016
kathleen.carley@cs.cmu.edu

Carley, Rick
(412)-268-3597
lrc@ece.cmu.edu

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

Chase, Steven
Courtesy Professor – ECE
Chase, Steven
412-268-4432
schase@andrew.cmu.edu

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

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

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

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

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

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

Keywords

CAD and design of analog signal processing circuits and MEMS systems

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

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

Hyper-redundant mechanisms, coverage, car-painting, de-mining, mobile robots, motion planning, hybrid controls
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)-268-7689  
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  
412-268-3299  
copetas@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  
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
Keywords

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

Keywords

Databases, data mining, multimedia indexing, performance evaluation

Keywords

Computer architecture, memory systems, multiprocessor architecture, architectural support for gigascale integration, design evaluation tools
Director – MEMS; Affiliated
Faculty – DSSC

Keywords

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

Feenstra, Randy Professor – Physics; Courtesy Professor – ECE
(412)-268-6961 feenstra@andrew.cmu.edu

Keywords

Molecular beam epitaxy, scanning tunneling microscopy

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 bfrost@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  (412)-268-1110
Supervisor – DSSC  jgamble@ece.cmu.edu

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

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

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

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

Gellman, Andrew J.  Lord  (412)-268-3848
Professor – ChemE; Professor – Chemistry; Affiliated Faculty – DSSC
ag40@andrew.cmu.edu

Ghose, Saugata  Systems Scientist – ECE  (412)-268-9192
saugataq@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
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

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@ece.cmu.edu

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

Keywords

Electromagnetics, electromechanics, electrohydrodynamics, microfluidics
Hoe, James C. Professor – ECE, CS; Co-Director – CALCM  
Keywords
Computer architecture, high-level hardware description and synthesis

Hollis, Ralph L. Research Professor – RI; Courtesy Professor – ECE  
Keywords
Haptics, microassembly, dynamically stable mobile robots

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

Hug, Gabriela Adjunct Faculty – ECE  
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 Emeritus – ECE

Islam, Mohammad F. Assistant Professor – ChemE, MSE; Courtesy Professor – ECE  
Keywords
Large-scale systems modeling and simulation; power systems control and pricing algorithms; critical infrastructures/interdependencies

Ishihara, Abe Courtesy Professor – ECE

Islam, Mohammad F. Assistant Professor – ChemE, MSE; Courtesy Professor – ECE
Jackson, Collin Adjunct Professor – ECE  
collin.jackson@sv.cmu.edu  
(412) 268-3363

Jahanian, Farnam Vice President for Research – CMU; Courtesy Professor – ECE  
farnam@andrew.cmu.edu  
(412) 268-3363

Jhon, Myung S. Professor – ChemE; Affiliated Faculty – DSSC  
mj3a@andrew.cmu.edu  
(412)-268-2233

Jia, Limin Assistant Research Professor – CyLab, INI, ECE  
(412)-268-4605

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

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

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

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

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  
tk@cs.cmu.edu  
(412)-268-3016

Keywords
Computer vision, autonomous systems, medical robotics

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

**Kim, Hyong** Drew D. Perkins  
Professor – ECE  
(412)-268-6491  
ikim@ece.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

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  
ikim@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  
iki@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

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 (412)-268-6507

Li, Xin Adjunct Faculty – ECE xinli@ece.cmu.edu

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 Systems Scientist – ECE (412) 268-5663 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

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

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 – ECE, DSSC  
(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  
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  (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  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

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  mvoliver@andrew.cmu.edu

Ozdoganlar, O. Burak  Affiliated Faculty – DSSC; Associate Professor – MechE  (412)-268-9890  ozdoganlar@cmu.edu
Ozdoganlar, Neslihan  M.S. Academic Program Advisor – ECE (412)-268-6581
neslio@andrew.cmu.edu

Péraire, Cécile Assistant Teaching Professor – ECE cecile.peraire@sv.cmu.edu

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

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  Senior Administrative Coordinator – ECE  (412)-268-8162  sphelps@ece.cmu.edu

Piazza, Gianluca  (Gian)  Professor – ECE; Director – Nanofab  (412)-268-7762  piazza@ece.cmu.edu

Keywords

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

Pileggi, Larry  Tanoto Professor – ECE  (412)-268-6774  pileggi@ece.cmu.edu

Keywords

Design, implementation and modeling of electronic integrated systems

Pileggi, Leah  Professional Writer – ECE; Professional Assistant – ECE  leahp1@andrew.cmu.edu

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

Keywords

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

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
Keywords

Nanoscale electronics, nanoscale devices, nonlinear dynamics, analog circuits

Keywords

Electronic circuits, systems design automation

Keywords

Embedded systems, distributed systems, sensor networks

Keywords

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

S

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
**Savvides, Marios**  
Research Professor – ECE; Director – CyLab  
Biometrics Center  
Keywords  
Biometric identification, Cyber-Physical Security, Authentication, Pattern recognition  
**Schlesinger, T.E. (Ed)**  
Adjunct Professor – ECE  
Keywords  
Semiconductor devices, information storage, optoelectronic systems  
**Schneider, Jeff**  
Research Professor – RI; Courtesy Professor – ECE  
Keywords  
Networking, Security, Systems, Software-defined networking, Internet-of-Things security  
**Serafin, Stephen**  
Senior Systems Engineer – ECE  
Keywords  
Network protocols, applications, distributed systems, mobile computing, wireless networks  
**Shen, John**  
Professor – ECE  
Keywords  
Modern superscalar processor design, instruction-level parallelism and code scheduling  
**Siewiorek, Daniel**  
Buhl University Professor – HCII, ECE, CSD  
Keywords  
Modern superscalar processor design, instruction-level parallelism and code scheduling
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

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  mms@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
(412)-268-3545
txiaoyin@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

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

Keywords

Power Systems Protection, Communication in Power Networks, Distributed Generation, Microgrids and Smartgrids
Ustun, Taha Selim Assistant Teaching Professor – ECE
+250 78 659 24 78
tahas@andrew.cmu.edu
Veloso, Manuela Professor – CS; Courtesy Professor – ECE mmv@cs.cmu.edu
Veríssimo, Paulo Adjunct Professor – ECE pjv@di.fc.ul.pt
Vernon, David Teaching Faculty – ECE vernon@cmu.edu
Vidal Alvarez, Gabriel Post Doctoral Research Associate – ECE gvidal@andrew.cmu.edu
Vieira, Deb Senior Multimedia Designer – ECE debraost@ece.cmu.edu
Wang, Kai Adjunct Professor – ECE wangkai@andrew.cmu.edu
Wang, Yao Post Doctoral Research Associate – ECE yaowang@ece.cmu.edu
Wasserman, Anthony Adjunct Professor – ECE 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 Associate Professor – ECE jweldon@ece.cmu.edu
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
Woodhead, Vickie Undergraduate Advisor – ECE 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.  
Professor – ChemE; Courtesy Professor – ECE  
(412)-268-2235  
ydstie@andrew.cmu.edu

Ydstie, B.  
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  
(412) 268-5401  
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  
(412)-268-9658  
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
Professor – ECE; Professor – MSE, Physics; Director – DSSC
(412)-268-8373
jzhu@ece.cmu.edu

Keywords

Micromagnetics, magnetoelectronic devices, magnetic recording

Ziccardi, Chad  Principal Systems Engineer – ECE
(412)-268-4453
ziccardi@ece.cmu.edu

Zurcher, Elaine  Systems Administrator – ECE
(412)-268-1210
egadd@ece.cmu.edu