A

Agarwal, Yuvraj [Courtesy Professor – ECE; Assistant Professor – CS]
yuvraja@andrew.cmu.edu
(412) 268-7328

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

Ambrass, Charlotte [Director of Finance and Sponsored Research – ECE]
ambrass@ece.cmu.edu
(412)-268-6858

Amos, Rachel [Manager of Undergraduate Advising – ECE]
ramos2@andrew.cmu.edu
(412) 268-3666

Andersen, David [Adjunct Professor – ECE]
dga2@andrew.cmu.edu
(412)-268-6492

Anna, Shelley L. [Associate Professor – MechE; Affiliated Faculty – DSSC]
sanna@andrew.cmu.edu
(412)-268-6492

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

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

Ausavarungnirun, Rachata [Post Doctoral Research Associate – ECE]
rausavar@andrew.cmu.edu

B

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

Keywords

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

Balram, Nikhil [Adjunct Professor – ECE]
(412)-268-2224

Bandola, Judy [Administrative Coordinator – ECE]
judy@ece.cmu.edu
(412)-268-9745

Bauer, Lujo [Associate Professor – ISR, ECE]
lbauer@cmu.edu
(412)-268-7422

Bauerle, Claire E. [Administrative Coordinator – ECE]
(412)-268-7422

Beckmann, Nathan [Courtesy Professor – ECE; Assistant Professor – CSD]
beckmann@cs.cmu.edu
Berger, Luc Professor Emeritus – Physics; Affiliated Faculty – DSSC
Berges, Mario Assistant Professor – CEE; Courtesy Professor – ECE
Bhagavatula, Vijayakumar U.A. and Helen Whitaker Professor – ECE; Affiliated Faculty – DSSC; Associate Dean of Faculty and Graduate Affairs – CIT

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

Bianchini, Ronald Adjunct Professor – ECE

Keywords
Distributed fault-tolerant computing and computer networks

Bintrim, Grace Administrative Coordinator – ECE
Bishop, Cathy Instructor – ECE
Blanton, Shawn Professor – ECE

Keywords
Test and diagnosis of heterogeneous, integrated systems

Bollapragada, Vara Post Doctoral Research Associate – ECE
Boni, Dante Equipment Technician – Nanofab
Bosle, Kevin Senior Buyer – ECE
Brown, Timothy X Distinguished Service Professor – EPP, ECE
Brumley, David J. Associate Professor – CS; Director – CyLab; Professor – ECE
Bryant, Randal Professor – CS; Courtesy Professor – ECE

Keywords
Formal hardware and software verification
Burns, Krista  Communications 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

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

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

Chomos, Louis  Research Associate – DSSC; Cleanroom/MEMS Engineer – ECE  (412)-855-9077  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 Professor – CyLab; Courtesy Professor – ECE  (412)-268-4432  nicolasc@andrew.cmu.edu
Keywords

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

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

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

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

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

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

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

Cowan, Christina Director of Administrative Services & Office of the Department Head – ECE (412)-268-3299 ccowan@andrew.cmu.edu

Cranor, Lorrie F. Professor – ISR, EPP; Courtesy Professor – ECE (412)-268-7534 lorrie@cs.cmu.edu

Keywords

Usable privacy and security

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

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

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

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

Dey, Anind K. Associate Professor – HCII; Courtesy Professor – ECE anind@cs.cmu.edu
Dolan, John Courtesy
Professor – ECE; Senior Systems Scientist – RI
(412)-268-7988
jmd@cs.cmu.edu

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

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

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

Elgersma, Steve  Senior Systems & Software Engineer – ECE (412)-268-9531
elgersma@ece.cmu.edu

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

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

Keywords
Databases, data mining, multimedia indexing, performance evaluation

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

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

Fanti, Giulia  Assistant Professor – ECE
gfanti@andrew.cmu.edu

Fassinger, Dan P.  IT Manager – ECE (412)-268-4745
danfas@ece.cmu.edu

Fatahalian, Kayvon  Courtesy Professor – ECE; Assistant Professor – CS (412) 268-1234
kayvonf@cmu.edu

Fedder, Gary  Howard M.
Wilkoff Professor – ECE, RI; Co-Director – MEMS; Affiliated Faculty – DSSC (412)-268-8443
fedder@ece.cmu.edu
Keywords
Microelectromechanical systems (MEMS), RF MEMS, inertial/bio/chemical sensors, MEMS CAD, micro-robotics

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

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

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

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

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

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

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

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

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

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

Keywords
Electromagnetics, electromechanics, electrohydrodynamics, microfluidics

Hoe, James C. Professor – ECE, CS; Co-Director – CALCM (412)-268-4259 jhoe@cmu.edu
Keywords

Computer architecture, high-level hardware description and synthesis
Hollis, Ralph L., Research Professor – RI; Courtesy Professor – ECE (412)-268-8264
rhollis@cs.cmu.edu

Keywords

Haptics, microassembly, dynamically stable mobile robots
Hong, Jason, Courtesy Professor – ECE; Associate Professor – CS
jasonh@cs.cmu.edu

Keywords

power systems, optimization, control, energy networks, decomposition

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

Keywords

Mobile and embedded computing, scalable systems, sensor networks, emergency communications systems
Ilic, Jovan, Associate Teaching Professor – ECE
(412)-268-3943
jilic@ece.cmu.edu

Keywords

Large-scale systems modeling and simulation; power systems control and pricing algorithms; critical infrastructures/interdependencies
Ishihara, Abe, Courtesy Professor – ECE
abe.ishihara@sv.cmu.edu
Islam, Mohammad F., Assistant Professor – ChemE, MSE; Courtesy Professor – ECE (412)-268-8999
mohammad@andrew.cmu.edu

Keywords

Jackson, Collin, Adjunct Professor – ECE
collin.jackson@sv.cmu.edu
**Jahanian, Farnam**  Vice President for Research – CMU; Courtesy Professor – ECE  
(412) 268-3363  
farnam@andrew.cmu.edu

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

**Jia, Limin**  Assistant Research Professor – CyLab, INI, ECE  
(412)-268-4605  
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**  Assistant Professor – ECE  
gaurij@andrew.cmu.edu

**Keywords**  
performance analysis, cloud computing, machine learning

**K**  
**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  
soummyak@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  sskelly@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  ikimukin@andrew.cmu.edu
Knickerbocker, Kara  Administrative Coordinator – ECE  krk@andrew.cmu.edu
Kochhar, Abhay  Research Scientist – ECE  (412)-268-8013  askochha@andrew.cmu.edu
Koeske, Matt  Research Administrator – ECE  koeske@ece.cmu.edu
Kompalli, Suryaprakash  Assistant Teaching Professor – ECE  +250 78 484 08 55  skompall@andrew.cmu.edu
Koopman, Philip  Associate Professor – ECE, CS  (412)-268-5225  koopman@cmu.edu
Keywords

distributed embedded systems, survivable system architecture, dependability
Kovačević, Jelena Hamerschlag
University Professor – ECE; University Professor – BME
(412) 268-3299
jelenak@cmu.edu

Keywords

Signal processing, biomedical, wavelets, frames, multiresolution, communications
Kozuch, Michael A., Adjunct
Professor – ECE
mkozuch@andrew.cmu.edu

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

Keywords

Synthesis and verification of embedded control software, distributed control strategies, distributed supervisory control, information and control in wireless sensor networks, discrete event and hybrid dynamic systems
Kryder, Mark, Emeritus University Professor – ECE; Affiliated Faculty – DSSC
(412)-268-3513
kryder@ece.cmu.edu

Keywords

Magnetic recording, optical recording and ferroelectric materials
Kumar, Swarun S., Assistant
Professor – ECE
412-268-1892
swarun@cmu.edu

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

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

Keywords

Physical and chemical sensors, transducers, MEMS, magnetism, materials, thin films, data storage and RF devices
Laughlin, David, ALCOA
Professor – MSE; Courtesy Professor – ECE; Affiliated Faculty – DSSC
(412)-268-2706
dl0p@andrew.cmu.edu
Keywords

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

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

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

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

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

Keywords

Integrated circuits, computer-aided design

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

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

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

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 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

Keywords
VLSI/computer architecture, energy aware computing, CAD for integrated systems

Marculescu, Radu
Professor – ECE

Keywords
Embedded systems, multicore systems, on-chip communication, low-power design, cyber-physical systems.

Mattingly, Chloe
Administrative Coordinator – ECE, DSSC

Maxion, Roy
Research Professor – CS; Courtesy Professor – ECE

Keywords
Computer dependability and security; information warfare; intrusion detection; system diagnosis

McCarthy, Jillian
M.S. Academic Program Advisor – ECE

McHenry, Michael E.
Professor – MSE; Affiliated Faculty – DSSC

McKinney, Jim
IT Manager – ECE

Mehdizadeh, Emad
Post Doctoral Research Associate – ECE

Mengshoel, Ole
Principal Systems Scientist – ECE

Metcalf, David
Senior Linux Engineer – ECE

Miskov-Zivanov, Natasa
Adjunct Faculty – ECE

Moe, Tara
Director of Graduate Affairs – ECE

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

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

(412)-268-1167
dianam@ece.cmu.edu

(412)-268-8710
radum@ece.cmu.edu

(412)-268-2650
chloem@andrew.cmu.edu

(412)-268-7556
maxion@cs.cmu.edu

(412) 268-3077
jrmccart@andrew.cmu.edu

(412)-268-2703
mm7g@andrew.cmu.edu

(412)-268-5141
jmck@ece.cmu.edu

emehdiza@ece.cmu.edu

ole.mengshoel@sv.cmu.edu

dmetcalf@andrew.cmu.edu

(412)-268-9873
nmiskov@andrew.cmu.edu

(412)-268-6327
taramoe@ece.cmu.edu

(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
N

Nace, Bill
Associate Teaching Professor – ECE
(412)-268-7027
wnace@cmu.edu

Keywords

Digital Design, Embedded Systems, Networks

Narasimhan, Priya
Professor – ECE
(412)-268-8801
priya@cs.cmu.edu

Keywords

fault tolerance, distributed systems, embedded systems, mobile systems

Narasimhan, Srinivasa
Associate Professor – RI; Courtesy Professor – ECE
412-268-1199
srinivas@andrew.cmu.edu

Keywords

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

Negi, Rohit
Professor – ECE; Affiliated Faculty – DSSC
(412)-268-6264
negi@ece.cmu.edu

Keywords

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

Nguyen, Kimmy
Event and Project Coordinator – ECE
(412) 268-7138
myn@andrew.cmu.edu

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

O

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

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

Oliver, Megan
Academic Services Coordinator – ECE
412-268-5621
mvoliver@andrew.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

Ozdoganlar, O. Burak
Affiliated Faculty – DSSC; Associate Professor – MechE
(412)-268-9890
ozdoganlar@cmu.edu
Keywords

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

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

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
(412)-268-1290

Paramesh, Jeyanandh Associate Professor – ECE
paramesh@ece.cmu.edu

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

Piazza, Gianluca (Gian) Professor – ECE; Director – Nanofab

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

Pileggi, Leah Professional Writer – ECE; Professional Assistant – ECE

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

Popli, Nipun Post Doctoral Research Associate – ECE

Prelich-Knight, Lyz Academic Services Coordinator – ECE

Keywords

Embedded and real-time systems
Keywords

Nanoscale electronics, nanoscale devices, nonlinear dynamics, analog circuits

Electronic circuits, systems design automation

Embedded systems, distributed systems, sensor networks

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
Satya\@cmu.edu

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

Keywords

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

Marios Savvides

Satya@cmu.edu

(412)-268-1142

marioss@andrew.cmu.edu

Schlesinger, T.E. (Ed)  Adjunct  Professor – ECE

Schlesinger, T.E.  Adjunct  Professor – ECE

Keywords

Semiconductor devices, information storage, optoelectronic systems

Schlesinger, T.E.  Adjunct  Professor – ECE

Schlesinger, T.E.  Adjunct  Professor – ECE

Schneider, Jeff  Research  Professor – RI; Courtesy Professor – ECE

Schneider, Jeff  Research  Professor – RI; Courtesy Professor – ECE

Scott, Stephanie  Academic Program  Advisor – ECE

Scott, Stephanie  Academic Program  Advisor – ECE

Sekar, Vyas  Assistant Professor – ECE

Sekar, Vyas  Assistant Professor – ECE

Keywords

Networking, Security, Systems, Software-defined networking, Internet-of-Things security

Sekar, Vyas  Assistant Professor – ECE

Sekar, Vyas  Assistant Professor – ECE

Serafin, Stephen  Senior Systems Engineer – ECE

Serafin, Stephen  Senior Systems Engineer – ECE

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

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

Keywords

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

Shah, Nihar  Assistant Professor – MLD, CSD; Courtesy Professor – ECE

Shah, Nihar  Assistant Professor – MLD, CSD; Courtesy Professor – ECE

Shen, John  Professor – ECE

Shen, John  Professor – ECE

Keywords

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

Serafin, Stephen  Senior Systems Engineer – ECE

Serafin, Stephen  Senior Systems Engineer – ECE

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

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

Shah, Nihar  Assistant Professor – MLD, CSD; Courtesy Professor – ECE

Shah, Nihar  Assistant Professor – MLD, CSD; Courtesy Professor – ECE

Shen, John  Professor – ECE

Shen, John  Professor – ECE

Keywords

Modern superscalar processor design, instruction-level parallelism and code scheduling
Siewiorek, Daniel  Buhl University  (412)-268-2570  dps@ece.cmu.edu
Professor – HCII, ECE, CSD

Keywords

Computer architecture, reliability, context aware mobile computing

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

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  sirbu@cmu.edu
Professor – ECE

Keywords

Telecommunications policy and economics

Sitti, Metin  sitti@cmu.edu
Professor – MechE, RI; Courtesy Professor – ECE; Affiliated Faculty – DSSC

Keywords

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

Skovira, Holly  hskovira@andrew.cmu.edu
Senior Administrative Coordinator – ECE (412) 268-8162

Skowronski, Marek  ms3s@andrew.cmu.edu (412)-268-2710
Courtesy Professor – ECE; Professor – MSE; Affiliated Faculty – DSSC

Keywords

Mobile computing, computer architecture, system design methods, wearable computers

Smith Jr., Robert E  robsmith@cmu.edu (412)-268-6033
Senior Windows Systems Engineer – ECE

Smitley, Brandon  bsmitley@andrew.cmu.edu  412-268-5716
Linux Engineer – ECE
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

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

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

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

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

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

Keywords

Statistically based CAD/CAM of VLSI circuits

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

Keywords

Audio signal processing, music and sound recording applications
Sundar, Vignesh  Post Doctoral Research Associate – DSSC  

Tague, Patrick  Associate Research Professor – CyLab, INI, ECE  

Keywords  
Network security; Wireless networking  

Talukdar, Sarosh  Professor Emeritus – ECE  

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

Tang, Xiaoying  Adjunct Professor – ECE  

Tayur, Sridhar  Courtesy Professor – ECE; Professor – Tepper  

Thomas, Donald  Professor Emeritus – ECE  

Keywords  
Computer-aided design of single chip heterogeneous multiprocessing systems  

Tims, Joshua  Systems Administrator – ECE  

Tomko, Jessica  Admissions Coordinator – ECE  

Tonguz, Ozan  Professor – ECE  

Keywords  
Optical networks, wireless networks and communications systems, and high-speed networking  

Towe, Elias  Professor – ECE; Albert and Ethel Grobstein Memorial Professor – MSE; Director – CNXT  

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

Treuille, Adrien  Courtesy Professor – ECE; Assistant Professor – CS
U

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

Keywords

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

V

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

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

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

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

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

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

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

W

Wang, Kai Adjunct Professor – ECE  
wangkai@andrew.cmu.edu  
(650)-335-2807  
tonyw@cmu.edu

Weiser, 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  
(412)-268-6940  
jweldon@ece.cmu.edu

Keywords

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

Wen, Tianlong Post Doctoral Research Associate – Physics, DSSC  
(412)-268-2319
White, Robert M. Emeritus University Professor – ECE, EPP; Affiliated Faculty – DSSC

Keywords

Magnetic nanotechnology

Will, Regis Senior Systems Engineer – ECE

Woodhead, Vickie Undergraduate Advisor – ECE

Xu, Yinliang Adjunct Professor – ECE

Yagan, Osman Assistant Research Professor – ECE

Keywords

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

Ydstie, B. Erik Professor – ChemE; Courtesy Professor – ECE

Ye, Terry Adjunct Professor – ECE

Yichye, Shahar Cleanroom Construction Protocol Manager – ECE

Yu, Byron Associate Professor – ECE; Assistant Professor – BME

Keywords

Neural signal processing, machine learning approaches in neuroscience, neural prosthetic systems

Yu, Zhiyi Adjunct Professor – ECE

Keywords

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

Zhang, Hui Professor – CS; Courtesy Professor – ECE

Keywords

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

Z
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