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

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

Alvarez, Renee  Senior Administrative Assistant – ECE  (412)-268-7328  RCALVARE@andrew.cmu.edu

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

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

Amvrosiadis, George  Assistant Research Professor – ECE  (412)-268-7328  gamvrosi@andrew.cmu.edu

Andersen, David  Adjunct Professor – ECE  (412)-268-7328  dga2@andrew.cmu.edu

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

Ausavarungnirun, Rachata  Post Doctoral Research Associate – ECE  (412)-268-7328  rausavar@andrew.cmu.edu

Bain, Jim  Professor – ECE, MSE; Associate Director – DSSC  (412)-268-6492  jbain@ece.cmu.edu

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

Bauerle, Claire E.  Administrative Coordinator – ECE  (412)-268-2224  judy@ece.cmu.edu

Beckmann, Nathan  Courtesy Professor – ECE; Assistant Professor – CSD  (412)-268-7422  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

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

Keywords
Formal hardware and software verification
Burns, Krista Communications
Manager – ECE
(412)-268-5316
gregan@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

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

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

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

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

Chase, Steven
Courtesy Professor – ECE
schase@andrew.cmu.edu

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

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

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

Chomas, 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

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

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

**Condeessa, 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
kopetas@andrew.cmu.edu

**Cowan, Christina** Director of Administrative Services & Office of the Department Head – ECE
ccowan@andrew.cmu.edu

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

**Datta, Anupam** Professor – ECE; Associate Professor – CyLab
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
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** Teaching Professor – ECE
650-335-2834
hakan.erdogmus@sv.cmu.edu

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

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

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

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

**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
feenstra@andrew.cmu.edu

Keywords

Molecular beam epitaxy, scanning tunneling microscopy

Ferris, Sherri Administrative Coordinator – ECE
sferris@andrew.cmu.edu

Fox, Toni Sponsored Research Assistant – CyLab
tonif@andrew.cmu.edu

Franchetti, Franz Professor – ECE; Faculty Director of ITS – ECE
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
mfredrik@andrew.cmu.edu

Keywords

Security, privacy, formal methods, and programming languages.

Frost, Brittany Senior Sponsored Research Assistant – CyLab
bfrost@andrew.cmu.edu

Frost, Donna International Scholar Coordinator – ECE
dfrost@andrew.cmu.edu

Furuta, Masaki Post Doctoral Research Associate – ECE
mfuruta@ece.cmu.edu

Gamble, Andrew Laboratory Electronics Supervisor – DSSC
igamble@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
(412)-268-3836
aminata@ece.cmu.edu

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

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

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

**Gibbons, Phil** Professor – ECE
(412)-268-5890
pgibbons@andrew.cmu.edu

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

**Gkioulekas, Ioannis** Courtesy Professor – ECE; Assistant Professor – RI
(412)-268-9833
igkioule@andrew.cmu.edu

**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

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

**Gkioulekas, Ioannis** Courtesy Professor – ECE; Assistant Professor – RI
(412)-268-9833
igkioule@andrew.cmu.edu

**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

**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
He, Bin Courtesy Professor – ECE; Professor – BME; Department Head – BME
bhe1@andrew.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** Distinguished Service Professor – Carnegie Mellon Silicon Valley, ECE; Director – CyLab Mobility Research Center  
(650) 714 1200  
roberti@andrew.cmu.edu

Keywords

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

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

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

Keywords

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

**Ishihara, Abe** Courtesy Professor – ECE  
abe.ishihara@sv.cmu.edu
Jahanian, Farnam  Vice President  
for Research – CMU; Courtesy  
Professor – ECE  
Jayan, B. Reeja  Courtesy  
Professor – ECE  
Jhon, Myung S.  Professor – ChemE; Affiliated  
Faculty – DSSC  
Jia, Limin  Assistant Research  
Professor – CyLab, INI, ECE  
Keywords  
Language-based security, programming languages, logic and program verification.  
Joe-Wong, Carlee  Assistant  
Professor – ECE  
Keywords  
Network economics and pricing, cloud computing, mobile/edge computing  
Johnson, Aaron  Courtesy  
Professor – ECE, RI; Assistant  
Professor – MechE  
Jordan, Angel  Emeritus University  
Professor – ECE, RI  
Keywords  
Robotics, Innovation, and Software Engineering, focusing on Technological Change and Technology Transfer  
Joshi, Gauri  Assistant Professor – ECE  
Keywords  
performance analysis, cloud computing, machine learning  
Kainerstorfer, Jana  Courtesy  
Professor – ECE  
Kanade, Takeo  U.A. and Helen  
Whitaker Professor – CS, RI; Courtesy  
Professor – ECE  
K
Keywords

Computer vision, autonomous systems, medical robotics

Kar, Soummya Associate Professor – ECE (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

Kelly, Shawn K. Courtesy Professor – ECE; Senior Systems Scientist – ICES

Khosla, Pradeep K. Adjunct Professor – ECE; Chancellor – University of California, San Diego

Keywords

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

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

Keywords

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

Kimukin, Ibrahim Research Associate – ECE (412)-268-9013

Kitani, Kris Courtesy Professor – ECE; Assistant Research Professor – RI

Knickerbocker, Kara Administrative Coordinator – ECE (412)-268-2389

Kochhar, Abhay Research Scientist – ECE (412)-268-8013

Koeske, Matt Research Administrator – ECE (412)-268-7293

soumyak@andrew.cmu.edu

lkass@andrew.cmu.edu

akavcic@andrew.cmu.edu

skkelly@andrew.cmu.edu

pkk@ece.cmu.edu

kim@ece.cmu.edu
Kompalli, Suryaprakash Assistant Teaching Professor – ECE  
koeske@ece.cmu.edu  
+250 78 484 08 55  

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

Keywords  
distributed embedded systems, survivable system architecture, dependability  

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

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

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

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

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

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

Keywords  
Magnetic recording, optical recording and ferroelectric materials  

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

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

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

L
Keywords

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

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

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

Keywords

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

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

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

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

Li, Qing Adjunct Faculty – ECE
qingli2@andrew.cmu.edu

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

Keywords

Integrated circuits, computer-aided design

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

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

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

Lu, Canyi Post Doctoral Research Associate – ECE
canyil@andrew.cmu.edu

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

Lynch, Aydaen Principal Systems and Software Engineer – ECE
(412)-268-5818
alynch@ece.cmu.edu

Mahouski, Michelle Academic Services Coordinator – ECE
(412)-268-4951
mmahousk@andrew.cmu.edu

Mai, Ken Principal Systems Scientist – ECE
(412)-268-8335
kenmai@ece.cmu.edu
Keywords
Digital circuit design, computer architecture, memory design, reconfigurable computing

Majetich, Sara A. Professor – Physics; Courtesy Professor – ECE; Affiliated Faculty – DSSC
(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 Kav##i#-Moura Professor of Electrical & Computer Engineering – ECE
(412)-268-8710
radum@ece.cmu.edu

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

Mattingly, Chloe Administrative Coordinator – DSSC, ECE
(412)-268-2650
chloem@andrew.cmu.edu

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

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

McCarthy, Jillian M.S. Academic Program Advisor – ECE
(412) 268-3077
jrmccart@andrew.cmu.edu

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

McKinney, Jim IT Manager – ECE
(412)-268-5141
jmck@ece.cmu.edu
Mehdizadeh, Emad  Post Doctoral Research Associate – ECE  emehdiza@ece.cmu.edu
Mengshoel, Ole  Principal Systems Scientist – ECE  ole.mengshoel@sv.cmu.edu
Metcalf, David  Senior Linux Engineer – ECE  dmetcalf@andrew.cmu.edu
Miskov-Zivanov, Natasa  Adjunct Faculty – ECE  (412)-268-9873  nmiskov@andrew.cmu.edu
Moe, Tara  Director of Graduate Affairs – ECE  (412)-268-6327  taramoe@ece.cmu.edu
Mohimani, Hosein  Courtesy Professor – ECE; Assistant Professor – CBD  hoseinm@andrew.cmu.edu
Moneck, Matthew  Executive Manager, ECE Nanofabrication Facility – Nanofab; Research Scientist – DSSC  (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 412-268-8364
Professor – ECE, SDS lhmoya@andrew.cmu.edu

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

Mutlu, Onur Adjunct Professor – ECE onur@cmu.edu

Keywords

Analog/RF/MEMS/biofluidic microsystem design

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

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

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

N

Keywords

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

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

Keywords

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

Nguyen, Kimmy Event and Project Coordinator – ECE (412) 268-7138
myn@andrew.cmu.edu
Noel, Margaret  Associate Director of Alumni Relations and Annual Giving – ECE  412-268-7202  mnoel@andrew.cmu.edu

Noh, Hae Young  Assistant Professor – CEE; Courtesy Professor – ECE  noh@cmu.edu

O'Hallaron, David  Professor – CS, ECE; Director – Intel Research Pittsburgh  (412)-268-8199  droh@cs.cmu.edu

Keywords

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

Oliver, Megan  Academic Services Coordinator – ECE  412-268-5621  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  Associate 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 – ECE, CSD  (412) 268-2033
Keywords

Telecommunications, wireless networks, internet, spectrum management, communications for homeland security, electronic commerce, developing countries, universal service, security

Penderville, JT Audio Visual & Distance Communications Manager – ECE (412) 268-6555 jtpender@andrew.cmu.edu

Perrig, Adrian Adjunct Professor – ECE; Professor – EPP, CS; Technical Director – CyLab (412)-268-2242 adrian@ece.cmu.edu

Phelps, Shelley Finance and Business Associate – ECE (412) 268-8745 sphelps@andrew.cmu.edu

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

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 – CSD; Associate Professor – ECE
(412)-268-1558 aplatzer@cs.cmu.edu

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

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

Racko, Angela Finance and Business Associate – ECE 412-268-5382 amracko@andrew.cmu.edu

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

Keywords
Embedded and real-time systems

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

Ramsey, Erika Temporary Employee Services - Finance and Business Associate – ECE eramsey@andrew.cmu.edu

Reddy, Raj Courtesy Professor – ECE; Mozah Bint Nasser University Professor – CS reddy@cs.cmu.edu

Rengarajan, Vijay Post Doctoral Research Associate – ECE vangarai@andrew.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 mriscley@ece.cmu.edu

Rohrer, Ronald A. Professor Emeritus – ECE rohrer@ece.cmu.edu

Risley, Mason Process Engineer – Nanofab

Rohrer, Ronald A. Professor Emeritus – ECE
Keywords

Electronic circuits, systems design automation
Rosvanis, James Nanofab Technician – Nanofab (412)-268-1375 rosvanis@andrew.cmu.edu

Rowe, Anthony Associate Professor – ECE (412)-268-4856 agr@ece.cmu.edu

Keywords

Embedded systems, distributed systems, sensor networks
Rutenbar, Rob A. Adjunct Professor – ECE rutenbar@ece.cmu.edu

Keywords

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

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 (412)-268-1142 marioss@andrew.cmu.edu

Keywords

Biometric identification, Cyber-Physical Security, Authentication, Pattern recognition
Schlesinger, T.E. (Ed) Adjunct Professor – ECE ed@ece.cmu.edu

Keywords

Semiconductor devices, information storage, optoelectronic systems
Schneider, Jeff Research Professor – RI; Courtesy Professor – ECE jeff4@andrew.cmu.edu
Sekar, Vyas Assistant Professor – ECE vsekar@ece.cmu.edu
Keywords

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

Seshan, Srinivasan Associate Professor – CS; Courtesy Professor – ECE srini@cmu.edu

Keywords

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

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

Keywords

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

Siewiorek, Daniel Buhl University Professor – HCII, ECE, CSD dps@ece.cmu.edu

Keywords

Computer architecture, reliability, context aware mobile computing

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

Keywords

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

Sirbu, Marvin Professor – EPP; Courtesy Professor – ECE sirbu@cmu.edu

Keywords

Telecommunications policy and economics

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

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

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

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

Smailagic, Asim Courtesy Professor – ECE; Research Professor – ICES; Director – LINCS (412)-268-7863 asim@ices.cmu.edu

Keywords

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

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

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

Smola, Alex Professor – MLD; Courtesy Professor – ECE (408) 759-1044 smola@andrew.cmu.edu

Snizaski, Nathan Ph.D. Academic Program Advisor – ECE 412-268-3200 nsnizask@andrew.cmu.edu

Sokalski, Vincent Assistant Research Professor – MSE; Affiliated Faculty – DSSC (412)-268-8628 vsokalsk@andrew.cmu.edu

Song, Dawn Adjunct Professor – ECE xds@andrew.cmu.edu

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

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

Keywords

Wireless communications, nanophotonics, spin wave devices

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

Keywords

Computer networks, distributed systems, pervasive computing

Stern, Richard Professor – ECE, LTI, CSD, BME; Lecturer – Music (412)-268-2535 rms@ece.cmu.edu
Keywords
Automatic speech recognition, auditory perception, signal processing
Stevens, Dave Facilities Assistant – ECE 412-268-2470 daves@andrew.cmu.edu
Stevenson, Kayleigh Finance and Business Associate – ECE (412)-268-8745 kayleigh@ece.cmu.edu
Strojwas, Andrzej Keithley Professor – ECE (412)-268-3530 ajs@ece.cmu.edu

Keywords
Statistically based CAD/CAM of VLSI circuits
Sullivan, Tom Associate Teaching Professor – ECE; Lecturer – Music (412)-268-3351 tms@ece.cmu.edu

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

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

Keywords
Network security; Wireless networking
Talukdar, Sarosh Professor Emeritus – ECE (412)-268-8778 talukdar@ece.cmu.edu

Keywords
Autonomous agents, distributed control, power systems, cascading failures
Tang, Xiaoying Adjunct Professor – ECE txiaoyin@ece.cmu.edu
Taylor, Rebecca Assistant Professor – MechE; Courtesy Professor – ECE bex@andrew.cmu.edu
Tayur, Sridhar Courtesy Professor – ECE; Professor – Tepper stayur@andrew.cmu.edu
Thomas, Donald Professor Emeritus – ECE (412)-268-3545 thomas@ece.cmu.edu
Keywords

Computer-aided design of single chip heterogeneous multiprocessing systems

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

Tomko, Jessica Admissions Coordinator – ECE (412)-268-4786 jtomko@andrew.cmu.edu

Tonguz, Ozan Professor – ECE (412)-268-5991 tonguz@ece.cmu.edu

Keywords

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

Towe, Elias Professor – ECE; Albert and Ethel Grobstein Memorial Professor – MSE; Director – CNXT (412)-268-8091 towe@cmu.edu

Keywords

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

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 +250 78 592 74 70 vernon@cmu.edu

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

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

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

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

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  Adjunct Professor – ECE  
jaweldon@hawaii.edu

Keywords

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

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

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

Keywords

Magnetic nanotechnology

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

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

X

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

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

Keywords

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

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

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

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

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

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

Yu, Zhiyi Adjunct Professor – ECE zhiyiyu@andrew.cmu.edu

Keywords

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

Z

Zhang, Hui Professor – CS; Courtesy Professor – ECE (412)-268-8945 hzhang@cs.cmu.edu

Keywords

Computer networks, internet, resource management, multimedia

Zhang, Jia Associate Teaching Professor – ECE jia.zhang@sv.cmu.edu

Zhang, Joy Adjunct Professor – ECE (650)-335-2824 joy@cs.cmu.edu

Zhang, Pei Associate Research Professor – ECE (650)-335-2823 peizhang@cmu.edu

Keywords

Sensor Networks, Embedded Systems

Zhu, Jimmy ABB 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