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

Alvarez, Renee Senior Administrative Assistant – ECE RCALVARE@andrew.cmu.edu

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

Amvrosiadis, George Assistant Research Professor – ECE gamvrosi@andrew.cmu.edu

Andersen, David Adjunct Professor – ECE dga2@andrew.cmu.edu (412)-268-3602

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

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

Bain, Jim Professor – ECE, MSE; Associate Director – DSSC jbain@ece.cmu.edu

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

Balram, Nikhil Adjunct Professor – ECE

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

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

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

Bauerle, Claire E. Administrative Coordinator – ECE cbauerle@ece.cmu.edu (412)-268-7422

Beckmann, Nathan Courtesy Professor – ECE; Assistant Professor – CSD beckmann@cs.cmu.edu
Berger, Luc  Professor  Emeritus – Physics; Affiliated Faculty – DSSC  
(Berger, 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  

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 – CSD; 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

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

Choset, Howie  Professor – RI; Courtesy Professor – ECE  (412)-268-2495  chozet@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

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

412-268-3299
ccowan@andrew.cmu.edu

Cranor, Lorrie F.  Professor – ISR, EPP; Courtesy Professor – ECE

lorrie@cs.cmu.edu

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

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

Keywords

Usable privacy and security
Keywords

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

Du, Jian Post Doctoral Research Associate – ECE

Eckhardt, Dave Courtesy Professor – ECE; Assistant Teaching Professor – CS

Elgersma, Steve Senior Systems & Software Engineer – ECE

Erdogmus, Hakan Associate Teaching Professor – ECE

Ervin, Allison Administrative Coordinator – ECE

Faloutsos, Christos Professor – CS; Courtesy Professor – ECE

Fanti, Giulia Assistant Professor – ECE

Fedder, Gary Howard M. Wilkoff Professor – ECE, RI; Co-Director – MEMS; Affiliated Faculty – DSSC

Keywords

Databases, data mining, multimedia indexing, performance evaluation

 Faloutsos, Babak Adjunct Professor – ECE, CS

Keywords

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

Fanti, Giulia Assistant Professor – ECE

Fassinger, Dan P. IT Manager – ECE

Fedder, Gary Howard M. Wilkoff Professor – ECE, RI; Co-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

Keywords

Molecular beam epitaxy, scanning tunneling microscopy

Ferris, Sherri Administrative Coordinator – ECE

Fox, Toni Sponsored Research Assistant – CyLab

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

Keywords

Automatic performance tuning; automatic software libraries generation; code generation for multicore CPUs, high-performance systems (HPC), GPUs, FPGA-acceleration; logic-in-memory and 3DIC systems; domain-specific languages and compilers

Fredrikson, Matt Assistant Professor – ISR, CS; Courtesy Professor – ECE

Keywords

Security, privacy, formal methods, and programming languages.

Frost, Brittany Senior Sponsored Research Assistant – CyLab

Frost, Donna International Scholar Coordinator – ECE

Furuta, Masaki Post Doctoral Research Associate – ECE

Gamble, Andrew Laboratory Electronics Supervisor – DSSC

G
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
saugatag@andrew.cmu.edu

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

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

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

Gligor, Virgil  
Professor – ECE; Co-Director – CyLab
(412)-268-3828
virgil@andrew.cmu.edu

Goldstein, Seth  
Associate Professor – CSD; Courtesy Professor – ECE
(412)-268-3707
seth@cs.cmu.edu

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

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
Grue , 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
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

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

Keywords
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

Kavcic, Aleksandar Adjunct Faculty – ECE akavcic@andrew.cmu.edu

Kelly, Shawn K. Courtesy Professor – ECE; Senior Systems Scientist – ICES skkelly@andrew.cmu.edu

Khosla, Pradeep K. Adjunct Professor – ECE; Chancellor – University of California, San Diego pkk@ece.cmu.edu

Keywords

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

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

Kimukin, Ibrahim Research Associate – ECE ikimukin@andrew.cmu.edu

Kitani, Kris Courtesy Professor – ECE; Assistant Research Professor – RI kmkitani@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 (412)-268-7293
Kompalli, Suryaprakash  Assistant Teaching Professor – ECE  koeske@ece.cmu.edu
Koopman, Philip  Associate Professor – ECE, CS  koopman@cmu.edu

Keywords

distributed embedded systems, survivable system architecture, dependability

Kovačević, Jelena  Hamerschlag University Professor – ECE; University Professor – BME  jelenak@cmu.edu

Keywords

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

Kozuch, Michael A.  Adjunct Professor – ECE  mkozuch@andrew.cmu.edu
Krogh, Bruce H.  Professor – ECE  krogh@ece.cmu.edu

Keywords

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

Kryder, Mark  Emeritus University Professor – ECE; Affiliated Faculty – DSSC  kryder@ece.cmu.edu

Keywords

Magnetic recording, optical recording and ferroelectric materials

Kumar, Swarun S.  Assistant Professor – ECE  swarun@cmu.edu
Kurpiewski, Matthew  Systems Administrator – ECE  mkurp@andrew.cmu.edu

Lambeth, David N.  Professor Emeritus – ECE  lambeth@ece.cmu.edu
Keywords

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

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

Laughlin, David ALCOA Professor – MSE; Courtesy Professor – ECE; Affiliated Faculty – DSSC
dl0p@andrew.cmu.edu

Keywords

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

Leathers, Diana Administrative Coordinator – ECE
diana.leathers@sv.cmu.edu

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

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

Li, Xin 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
lout@ece.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

Marculescu, Radu Kav#i#-Moura Professor of Electrical & Computer Engineering – ECE
(412)-268-8710
radum@ece.cmu.edu

Keywords

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

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

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 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
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  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  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
Pasareanu, Corina  Senior Research Scientist – ECE-SV  parno@cmu.edu  (650)-604-4767

Patterson, Carolyn  Administrative Coordinator – ECE  pcorina@andrew.cmu.edu  (412)-268-7286

Pavlo, Andy  Courtesy Professor – ECE  pavlo@cs.cmu.edu

Peha, Jon  Professor – EPP; Courtesy Professor – ECE  peha@ece.cmu.edu  (412)-268-7126

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  jtpender@andrew.cmu.edu  (412) 268-6555

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

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  sphelps@andrew.cmu.edu  (412) 268-8745

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

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

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

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  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  mrisley@andrew.cmu.edu

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

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

Keywords

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

Schlesinger, T.E. (Ed) Adjunct Professor – ECE
(412)-268-1142
ed@ece.cmu.edu

Keywords

Semiconductor devices, information storage, optoelectronic systems

Schneider, Jeff Research Professor – RI; Courtesy Professor – ECE
(412)-268-1142
jeff4@andrew.cmu.edu

Sekar, Vyas Assistant Professor – ECE
(412)-268-1142
vsekar@ece.cmu.edu
Keywords

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

Seshan, Srinivasan Associate Professor – CS; Courtesy Professor – ECE
(412)-268-8734 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
(412)-268-2570 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
(412)-268-3436 sirbu@cmu.edu

Keywords

Telecommunications policy and economics

Sitti, Metin Professor – MechE, RI; Courtesy Professor – ECE; Affiliated Faculty – DSSC
(412)-268-3632 sitti@cmu.edu
Keywords

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

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

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

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

Keywords

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

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

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

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

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

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

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

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

Stancil, Daniel  Adjunct Professor – ECE  dstancil@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
vigneshs@andrew.cmu.edu

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
Taylor, Rebecca Assistant Professor – MechE; Courtesy Professor – ECE
Tayur, Sridhar Courtesy Professor – ECE; Professor – Tepper
Thomas, Donald Professor Emeritus – ECE
(412)-268-3545
thomas@ece.cmu.edu

23
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  (412)-268-8373  zhu@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