Agarwal, Yuvraj  
Professor – ECE; Assistant Professor – CS  
yuvraja@andrew.cmu.edu

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

Andersen, David  
Adjunct Professor – ECE  
dga2@andrew.cmu.edu

Anna, Shelley L.  
Associate Professor – MechE; Affiliated Faculty – DSSC  
sanna@andrew.cmu.edu

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

Berger, Luc  
Emeritus – Physics; Affiliated Faculty – DSSC  
lberger@andrew.cmu.edu

Berges, Mario  
Assistant Professor – CEE; Courtesy Professor – ECE  
marioberges@cmu.edu

Bhagavatula, Vijayakumar  
U.A. and Helen Whitaker  
Professor – ECE; Affiliated Faculty – DSSC; Associate Dean of Faculty and Graduate Affairs – CIT  
kumar@ece.cmu.edu

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

Bauer, Lujo  
Associate Professor – ISR, ECE  
lbauer@cmu.edu

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

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

Bianchini, Ronald Adjunct Professor – ECE (412)-968-9110

Keywords

Distributed fault-tolerant computing and computer networks

Bishop, Cathy Instructor – ECE mcbishop@andrew.cmu.edu
Blanton, Shawn Professor – ECE (412)-268-2987

Keywords

Test and diagnosis of heterogeneous, integrated systems

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

Brumley, David J. Associate Professor – CSD; Director – CyLab; Professor – ECE dbrumley@ece.cmu.edu

Bryant, Randal Professor – CS; Courtesy Professor – ECE (412)-268-8821
bryant@cs.cmu.edu

Keywords

Formal hardware and software verification

Carley, Kathleen Professor – ISR; Courtesy Professor – ECE 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

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  
Chen, Tsuhan  Adjunct  Professor – ECE

Keywords

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

Chi, Yuejie  Associate Professor – ECE    yuejiec@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

Christin, Nicolas  Associate Research Professor – EPP; Assistant Research Professor – CyLab; Courtesy    nicolasc@andrew.cmu.edu

Keywords

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

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

Keywords

Usable privacy and security

Datta, Anupam  Professor – ECE; Associate Professor – CyLab  
danupam@andrew.cmu.edu
Davis, Robert John and Claire Bertucci Distinguished Professor – MSE; Courtesy Professor – ECE  
De La Torre Frade, Fernando Courtesy Professor – ECE; Research Scientist – RI  
Dey, Anind K. Associate Professor – HCII; Courtesy Professor – ECE  
Dolan, John Courtesy Professor – ECE; Senior Systems Scientist – RI  

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

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

Erdogmus, Hakan Teaching Professor – ECE  

Faloutsos, Christos Professor – CS; Courtesy Professor – ECE  

Keywords  
Databases, data mining, multimedia indexing, performance evaluation  

Falsafi, Babak Adjunct Professor – ECE, CS  

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

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

Keywords
Keywords

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

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

Keywords

Molecular beam epitaxy, scanning tunneling microscopy

Franchetti, Franz Professor – ECE; Faculty Director of ITS – ECE
(412)-268-8297 franzf@ece.cmu.edu

Keywords

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

Fredrikson, Matt Assistant Professor – ISR, CS; Courtesy Professor – ECE
(412) 268-3992 mfredrik@andrew.cmu.edu

Keywords

Security, privacy, formal methods, and programming languages.

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)-268-3848 aminata@ece.cmu.edu

Gellman, Andrew J. Lord Professor – ChemE; Professor – Chemistry; Affiliated Faculty – DSSC
Gellman, Andrew J. Lord
(412)-268-3848 a446@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  garth@cs.cmu.edu

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

Gkioulekas, Ioannis  Courtesy Professor – ECE; Assistant Professor – RI  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  seth@cs.cmu.edu

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

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

Keywords
Semiconductor device physics and semiconductor process technology, sensors

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

He, Bin Courtesy bhe1@andrew.cmu.edu
Professor – ECE; Professor – BME; Department Head – BME

Higgs III, Fred Professor – MechE; Courtesy higgs@andrew.cmu.edu
Professor – ECE

Keywords

Tribology, nanomanufacturing, multi-scale particle flows

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

Keywords

Research in wireless technology and telecommunications policy

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

Keywords

Electromagnetics, electromechanics, electrohydrodynamics, microfluidics

Hoe, James C. Professor – ECE, CS; Co-Director – CALCM jhoe@cmu.edu

Keywords

Computer architecture, high-level hardware description and synthesis

Hollis, Ralph L. Research (412)-268-8264
Professor – RI; Courtesy rhollis@cs.cmu.edu
Professor – ECE

Keywords

Haptics, microassembly, dynamically stable mobile robots

Hong, Jason Courtesy jasonh@cs.cmu.edu
Professor – ECE; Associate Professor – CS
Hug, Gabriela  Adjunct Faculty – ECE  ghug@ece.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  (412) 268-3363  farnam@andrew.cmu.edu

Jayan, B. Reeja  Courtesy Professor – ECE  bjayan@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

Johnson, Aaron  Courtesy  amj1@andrew.cmu.edu
Professor – ECE, RI; Assistant Professor – MechE

Jordan, Angel  Emeritus University  (412)-268-2590
Professor – ECE, RI  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

Kainerstorfer, Jana  Courtesy  jkainers@andrew.cmu.edu
Professor – ECE

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  (412)-268-8962
Professor – ECE  soummyak@andrew.cmu.edu

Keywords

Distributed Information Processing, Multi-Agent Decision Making, Adaptive Stochastic Systems

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

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

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

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

**Kitani, Kris** Courtesy
Professor – ECE; Assistant Research Professor – RI
kmkitani@andrew.cmu.edu

**Kompalli, Suryaprakash** Assistant
Teaching Professor – ECE
skompall@andrew.cmu.edu

**Koopman, Philip** Associate
Professor – ECE, CS
koopman@cmu.edu

distributed embedded systems, survivable system architecture, dependability

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

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

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

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

Keywords

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

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

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

Keywords

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

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

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
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

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.

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
McHenry, Michael E. Professor – MSE; Affiliated Faculty – DSSC
Mengshoel, Ole Principal Systems Scientist – ECE
Miskov-Zivanov, Natasa Adjunct Faculty – ECE
Mohimani, Hosein Courtesy Professor – ECE; Assistant Professor – CBD
Morgan, Granger Professor – ECE; Lord Professor – EPP

Keywords
Technology and policy including climate change and electric power

Morris, James Professor – CS; Courtesy Professor – ECE
Moura, José Associate Department Head - Research & Strategic Initiatives – ECE; Philip L. and Marsha Dowd University Professor – ECE, BME; Affiliated Faculty – DSSC

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

Mowry, Todd Professor – CS; Courtesy Professor – ECE; Co-Director – CALCM

Keywords
Computer architecture, compilers, operating systems, parallel processing

Moya, Linda Assistant Teaching Professor – ECE, SDS
Mukherjee, Tamal Professor – ECE

Keywords
Analog/RF/MEMS/biofluidic microsystem design

Mutlu, Onur Adjunct Professor – ECE
Keywords

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

N

Nace, Bill
Associate Teaching Professor – ECE

Keywords

Digital Design, Embedded Systems, Networks

Narasimhan, Priya
Professor – ECE

Keywords

fault tolerance, distributed systems, embedded systems, mobile systems

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

Keywords

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

Negi, Rohit
Professor – ECE; Affiliated Faculty – DSSC

Keywords

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

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

Keywords

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

O

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

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

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
parno@cmu.edu

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

**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

**Platzer, Andre** Assistant Professor – CSD; Associate Professor – ECE

Keywords

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

**Rajkumar, Raj** Professor – ECE, CSD; Co-Director – GM-CM CRL; Director – Real-Time and Multimedia Systems Laboratory

Keywords

Embedded and real-time systems

**Ramakrishnan, Bhiksha Raj** Courtesy Professor – ECE; Associate Professor – LTI

**Reddy, Raj** Courtesy Professor – ECE; Mozah Bint Nasser University Professor – CS

**Ricketts, David** Adjunct Professor – ECE
Keywords
Nanoscale electronics, nanoscale devices, nonlinear dynamics, analog circuits

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

Keywords
Electronic circuits, systems design automation

**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

**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  jeff4@andrew.cmu.edu
Professor – RI; Courtesy
Professor – ECE

Sekar, Vyas  Assistant Professor – ECE  vsekar@ece.cmu.edu

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

Seshan, Srinivasan  Associate  (412)-268-8734
Professor – CS; Courtesy
Professor – ECE

Seshan, Srinivasan  Associate  srini@cmu.edu

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

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

Shen, John  Professor – ECE  jps@ece.cmu.edu

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

Siewiorek, Daniel  Buhl University  (412)-268-2570
Professor – HCI, ECE, CSD  dps@ece.cmu.edu

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 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

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

Keywords

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

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

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

Song, Dawn
Adjunct Professor – ECE
(412)-268-7863
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

Keywords

Computer networks, distributed systems, pervasive computing
Stern, Richard Professor – ECE, LTI, CSD, BME; Lecturer – Music (412)-268-2535

Keywords

Automatic speech recognition, auditory perception, signal processing
Strojwas, Andrzej Keithley Professor – ECE (412)-268-3530

Keywords

Statistically based CAD/CAM of VLSI circuits
Sullivan, Tom Associate Teaching Professor – ECE; Lecturer – Music (412)-268-3351

Keywords

Audio signal processing, music and sound recording applications
T

Tague, Patrick Associate Research Professor – CyLab, INI, ECE (650)-335-2827

Keywords

Network security; Wireless networking
Talukdar, Sarosh Professor Emeritus – ECE (412)-268-8778

Keywords

Autonomous agents, distributed control, power systems, cascading failures
Tang, Xiaoying Adjunct Professor – ECE bxiaoyin@ece.cmu.edu
Taylor, Rebecca Assistant Professor – MechE; Courtesy Professor – ECE bex@andrew.cmu.edu
Tayur, Sridhar  Courtesy  Professor – ECE; Professor – Tepper  412-268-3584  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

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

Keywords

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

V

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

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

W

Wang, Kai  Adjunct Professor – ECE  wangkai@andrew.cmu.edu

Wasserman, Anthony  Adjunct Professor – ECE  (650)-335-2807  tonyw@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

White, Robert M., Emeritus University Professor – ECE, EPP; Affiliated Faculty – DSSC

Keywords
Magnetic nanotechnology

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

Yagan, Osman, Assistant Research Professor – ECE
oyagan@ece.cmu.edu

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

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

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

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

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