<table>
<thead>
<tr>
<th>Name</th>
<th>Title and Affiliation</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agarwal, Yuvraj</td>
<td>Courtesy Professor – ECE; Assistant Professor – CS</td>
<td>(412) 268-7328</td>
<td><a href="mailto:yuvraja@andrew.cmu.edu">yuvraja@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Amvrosiadis, George</td>
<td>Assistant Research Professor – ECE</td>
<td></td>
<td><a href="mailto:gamvrosi@andrew.cmu.edu">gamvrosi@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Andersen, David</td>
<td>Adjunct Professor – ECE</td>
<td></td>
<td><a href="mailto:dga2@andrew.cmu.edu">dga2@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Anna, Shelley L.</td>
<td>Associate Professor – MechE; Affiliated Faculty – DSSC</td>
<td>(412)-268-6492</td>
<td><a href="mailto:sanna@andrew.cmu.edu">sanna@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Bain, Jim</td>
<td>Professor – ECE, MSE; Associate Director – DSSC</td>
<td>(412)-268-3602</td>
<td><a href="mailto:jbain@ece.cmu.edu">jbain@ece.cmu.edu</a></td>
</tr>
<tr>
<td>Bain, Jim</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Berger, Luc</td>
<td>Professor Emeritus – Physics; Affiliated Faculty – DSSC</td>
<td>(412)-268-2919</td>
<td><a href="mailto:lberger@andrew.cmu.edu">lberger@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Berges, Mario</td>
<td>Assistant Professor – CEE; Courtesy Professor – ECE</td>
<td>412-268-4572</td>
<td><a href="mailto:marioberges@cmu.edu">marioberges@cmu.edu</a></td>
</tr>
<tr>
<td>Bhagavatula, Vijayakumar</td>
<td>U.A. and Helen Whitaker Professor – ECE; Affiliated Faculty – DSSC; Associate Dean of Faculty and Graduate Affairs – CIT</td>
<td>(412)-268-3026</td>
<td><a href="mailto:kumar@ece.cmu.edu">kumar@ece.cmu.edu</a></td>
</tr>
</tbody>
</table>
Keywords

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

Bianchini, Ronald Adjunct Professor – ECE (412)-968-9110 rpb@ece.cmu.edu

Keywords

Distributed fault-tolerant computing and computer networks

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

Keywords

Test and diagnosis of heterogeneous, integrated systems

Brown, Timothy X Distinguished Service Professor – EPP, ECE timxb@andrew.cmu.edu
(412) 78 767 40 62

Brumley, David J. Associate Professor – CSD; Director – CyLab; Professor – ECE dbrumley@ece.cmu.edu
(412)-268-3851

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

Keywords

Formal hardware and software verification

Carley, Kathleen Professor – ISR; Courtesy Professor – ECE kathleen.carley@cs.cmu.edu
(412)-268-6016

Carley, Rick ST Microelectronics Professor – ECE; Affiliated Faculty – DSSC lrc@ece.cmu.edu
(412)-268-3597

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
(412)-268-3390

Chamanzar, Maysam Assistant Professor – ECE 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

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

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 (412)-268-4432

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 (412)-268-7264 rfd@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, JohnCourtesy Professor – ECE; Senior Systems Scientist – RI (412)-268-7988 jmd@cs.cmu.edu

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

Eckhardt, Dave Courtesy Professor – ECE; Assistant Teaching Professor – CS davide+receptionist@cs.cmu.edu
Erdogmus, HakanTeaching Professor – ECE 650-335-2834 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
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 fever@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
+250 78 152 04 72 aminata@ece.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

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  (412)-268-3828  seth@cs.cmu.edu

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

Greve, David  Professor Emeritus – ECE  (412)-268-3707  dg07@andrew.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
Grover, Pulkit  Assistant Professor – ECE  412-268-3644  pgrover@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

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

Keywords

Tribology, nanomanufacturing, multiscale particle flows

Higgs III, Fred Professor – MechE; Courtesy Professor – ECE
(412)-268-2486
higgs@andrew.cmu.edu

Keywords

Research in wireless technology and telecommunications policy

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
Hug, Gabriela Adjunct Faculty – ECE

Keywords

power systems, optimization, control, energy networks, decomposition

I

Iannucci, Bob Distinguished Service Professor – Carnegie Mellon Silicon Valley, ECE; Director – CyLab Mobility Research Center

Keywords

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

Ilic, Jovan Associate Teaching Professor – ECE

Ilic, Marija Professor Emeritus – ECE

Keywords

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

Ishihara, Abe Courtesy Professor – ECE

Ishihara, Abe Fortune

J

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

650-335-2832

cjoewong@andrew.cmu.edu
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

**K**

**Kainerstorfer, Jana** Courtesy
Professor – ECE

**Kanade, Takeo** U.A. and Helen Whitaker Professor – CS, RI; Courtesy Professor – ECE

Keywords
Computer vision, autonomous systems, medical robotics

**Kar, Soummya** Associate
Professor – ECE

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

**Kavcic, Aleksandar** Adjunct
Faculty – ECE

**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
kim@ece.cmu.edu

Keywords
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

(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

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

(412) 268-3587
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

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.

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

Mengshoel, Ole Principal Systems Scientist – ECE  
ole.mengshoel@sv.cmu.edu

Miskov-Zivanov, Natasa Adjunct Faculty – ECE  
(412)-268-9873  
miskov@andrew.cmu.edu

Mohimani, Hosein Courtesy Professor – ECE; Assistant Professor – CBD  
hoseinm@andrew.cmu.edu

Mohimani, Hosein Courtesy Professor – ECE; Assistant Professor – CBD  
hoseinm@andrew.cmu.edu

Morgan, Granger Professor – ECE; Lord Professor – EPP  
gm5d@andrew.cmu.edu

Morris, James Professor – CS; Courtesy Professor – ECE  
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  
moura@ece.cmu.edu

Mowry, Todd Professor – CS; Courtesy Professor – ECE; Co-Director – CALCM  
tcm@cs.cmu.edu

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

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

Keywords

Technology and policy including climate change and electric power

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

Computer architecture, compilers, operating systems, parallel processing

Analog/RF/MEMS/biofluidic microsystem design
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
Noh, Hae Young Assistant Professor – CEE; Courtesy Professor – ECE
noh@cmu.edu

Keywords

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

O

O'Hallaron, David
Professor – CS, ECE; Director – Intel Research Pittsburgh
(412)-268-8199
droh@cs.cmu.edu
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 saswin@ece.cmu.edu
Satyanarayanan, Mahadev Carnegie Professor – CS; Courtesy Professor – ECE satya@cmu.edu
Savvides, Marios Research Professor – ECE; Director – CyLab (412)-268-1142 marios@andrew.cmu.edu

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

17
Keywords

Semiconductor devices, information storage, optoelectronic systems

Schneider, Jeff Research
Professor – RI; Courtesy Professor – ECE
Sekar, Vyas Assistant Professor – ECE

Keywords

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

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
Shen, John Professor – ECE

Keywords

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

Siewiorek, Daniel Buhl University
Professor – HCII, ECE, CSD

Keywords

Computer architecture, reliability, context aware mobile computing

Singh, Rita Courtesy
Professor – ECE; Senior Systems Scientist – LTI
Sinopoli, Bruno Professor – MechE, ECE, RI
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

Skowronska, Marek
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
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

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 txiaoyin@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

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

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

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
white@ece.cmu.edu

Keywords

Magnetic nanotechnology

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

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