A

**Agarwal, Yuvraj**
Courtesy Professor – ECE; Assistant Professor – CS

*Anderssen, David*
Adjunct Professor – ECE

**Anna, Shelley L.**
Associate Professor – MechE; Affiliated Faculty – DSSC

**Antaki, James**
Professor – BME; Courtesy Professor – ECE

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</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>Andersen, David</td>
<td>Adjunct Professor – ECE</td>
<td><a href="mailto:dga2@andrew.cmu.edu">dga2@andrew.cmu.edu</a></td>
<td></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>Antaki, James</td>
<td>Professor – BME; Courtesy Professor – ECE</td>
<td><a href="mailto:antaki@andrew.cmu.edu">antaki@andrew.cmu.edu</a></td>
<td></td>
</tr>
</tbody>
</table>

**B**

**Bain, Jim**
Professor – ECE, MSE; Associate Director – DSSC

**Bauer, Lujo**
Associate Professor – ECE, ISR

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bain, Jim</td>
<td>Professor – ECE, MSE; Associate Director – DSSC</td>
<td>(412)-268-3026</td>
<td><a href="mailto:jbain@ece.cmu.edu">jbain@ece.cmu.edu</a></td>
</tr>
<tr>
<td>Bauer, Lujo</td>
<td>Associate Professor – ECE, ISR</td>
<td>(412)-268-9745</td>
<td><a href="mailto:lbauer@cmu.edu">lbauer@cmu.edu</a></td>
</tr>
</tbody>
</table>

**Keywords**

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

**Balram, Nikhil**
Adjunct Professor – ECE

**Bhagavatula, Vijayakumar**
U.A. and Helen Whitaker
Professor – ECE; Affiliated Faculty – DSSC; Associate Dean of Faculty and Graduate Affairs – CIT

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Balram, Nikhil</td>
<td>Adjunct Professor – ECE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bhagavatula, Vijayakumar</td>
<td>U.A. and Helen Whitaker</td>
<td>(412)-268-3026</td>
<td><a href="mailto:kumar@ece.cmu.edu">kumar@ece.cmu.edu</a></td>
</tr>
</tbody>
</table>

**Keywords**

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

**Berger, Luc**
Emeritus Professor – Physics; Affiliated Faculty – DSSC

**Bhagavatula, Vijayakumar**
U.A. and Helen Whitaker
Professor – ECE; Affiliated Faculty – DSSC; Associate Dean of Faculty and Graduate Affairs – CIT

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Berger, Luc</td>
<td>Emeritus Professor – 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>
</tbody>
</table>

**Keywords**

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

**Bianchini, Ronald**
Adjunct Professor – ECE

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bianchini, Ronald</td>
<td>Adjunct Professor – ECE</td>
<td>(412)-968-9110</td>
<td><a href="mailto:rpb@ece.cmu.edu">rpb@ece.cmu.edu</a></td>
</tr>
</tbody>
</table>
Distributed fault-tolerant computing and computer networks

Bishop, Cathy Instructor – ECE  mcbishop@andrew.cmu.edu
Blanton, Shawn Professor – ECE; Associate Director – JIE  rblanton@andrew.cmu.edu

Test and diagnosis of heterogeneous, integrated systems

Brown, Timothy X Distinguished Service Professor – ECE, EPP  timxb@andrew.cmu.edu
Brumley, David J. Associate Professor – CS, ECE; Director – CyLab  dbrumley@ece.cmu.edu
Bryant, Randal Professor – CS; Courtesy Professor – ECE  bryant@cs.cmu.edu

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  lrc@ece.cmu.edu

CAD and design of analog signal processing circuits and MEMS systems

Chamanzar, Maysam Assistant Professor – ECE  mchamanz@andrew.cmu.edu

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

Choset, Howie Professor – RI; Courtesy Professor – ECE
choset@cs.cmu.edu

Keywords

Hyper-redundant mechanisms, coverage, car-painting, de-mining, mobile robots, motion planning, hybrid controls

Christin, Nicolas Assistant Research Professor – CyLab, ECE
nicolasc@andrew.cmu.edu

Keywords

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

Clarke Jr., Edmund FORE Systems Professor – CS; Courtesy Professor – ECE
edmund.clarke@cs.cmu.edu

Keywords

Hardware and software verification, automatic theorem proving, symbolic computation

Cranor, Lorrie F. Professor – ISR, EPP; Courtesy Professor – ECE
lorrie@cs.cmu.edu

Keywords

Usable privacy and security

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

Davis, Robert John and Claire Bertucci Distinguished Professor – MSE; Courtesy Professor – ECE
rfd@andrew.cmu.edu

(412)-268-2495
(412)-268-4432
(412)-268-2628
(412)-268-7534
(412)-268-7264
(412)-268-7264
De La Torre Frade, Fernando
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
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, Hakan
Associate Teaching Professor – ECE
hakan.erdogmus@sv.cmu.edu

Faloutsos, Christos
Professor – CS; Courtesy Professor – ECE
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
Adjunct Faculty – ECE
gfanti@andrew.cmu.edu

Fatahalian, Kayvon
Courtesy Professor – ECE; Assistant Professor – CS
kayvonf@cmu.edu

Fedder, Gary
Howard M. Wilkoff Professor – ECE, RI; Co-Director – MEMS; Affiliated Faculty – DSSC
(412)-268-8443
fedder@ece.cmu.edu
Keywords

Microelectromechanical systems (MEMS), RF MEMS, inertial/bio/chemical sensors, MEMS CAD, micro-robotics
Feenstra, Randy Professor – Physics; Courtesy Professor – ECE (412)-268-6961 feenstra@andrew.cmu.edu

Keywords

Molecular beam epitaxy, scanning tunneling microscopy
Franchetti, Franz Associate Research Professor – ECE; Faculty Director of ITS – ECE (412)-268-8297 franzf@ece.cmu.edu

Keywords

Automatic performance tuning, digital signal processing transforms, advanced architectures
Fredrikson, Matt Assistant Professor – ISR, CS; Courtesy Professor – ECE (412) 268-3992 mfredrik@andrew.cmu.edu

Keywords

Security, privacy, formal methods, and programming languages.
Gandhi, Rajeev Courtesy Professor – ECE (412)-268-4922 rgandhi@ece.cmu.edu

Keywords

Wireless systems, multimedia compression, signal processing/compression
Ganger, Greg Jatras Professor – ECE, CS; Director – PDL; Affiliated Faculty – DSSC (412)-268-1297 ganger@ece.cmu.edu

Keywords

cloud computing, storage/file systems, operating systems, distributed systems
Garba, Aminata Assistant Teaching Professor – ECE (412)-268-8558 aminata@ece.cmu.edu
Gellman, Andrew J.
Professor – ChemE; Professor – Chemistry; Affiliated Faculty – DSSC
(412)-268-3848
dg4b@andrew.cmu.edu

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

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

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

Gligor, Virgil
Professor – ECE; Co-Director – CyLab
(412)-268-9833
virgil@andrew.cmu.edu

Goldstein, Seth
Associate Professor – CS; Courtesy Professor – ECE
(412)-268-3828
seth@cs.cmu.edu

Goldstein, Seth
Associate Professor – CS; Courtesy Professor – ECE
(412)-268-3828
seth@cs.cmu.edu

Greve, David
Professor – 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
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

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

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

Keywords

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

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

Illic, Marija  
Professor – ECE  
(412)-268-9520  
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

Islam, Mohammad F.  
Assistant Professor – ChemE, MSE; Courtesy Professor – ECE  
(412)-268-8999  
mohammad@andrew.cmu.edu

J

Jackson, Collin  
Adjunct Professor – ECE  
collin.jackson@sv.cmu.edu

Jahanian, Farnam  
Vice President for Research – CMU; Courtesy Professor – ECE  
(412) 268-3363  
farnam@andrew.cmu.edu

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

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

Keywords

Language-based security, programming languages, logic and program verification.

Joe-Wong, Carlee  
Adjunct Faculty – ECE  
cjoewong@andrew.cmu.edu

Jordan, Angel  
Emeritus University Professor – ECE, RI  
(412)-268-2590  
ajordan@cs.cmu.edu

Keywords
Keywords

Robotics, Innovation, and Software Engineering, focusing on Technological Change and Technology Transfer

Joshi, Gauri Adjunct Faculty – ECE  gaurij@andrew.cmu.edu

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 Assistant Research Professor – ECE  (412)-268-8962 soumyak@andrew.cmu.edu

Keywords

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

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

Keywords

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

Kompalli, Suryaprakash Assistant Teaching Professor – ECE

Koopman, Philip Associate Professor – ECE, CS  (412)-268-5225
Keywords

distributed embedded systems, survivable system architecture, dependability

Kovačević, Jelena David Edward
Schramm University Professor and Head – ECE; University Professor – BME; Director – Center for Bioimage Informatics

Keywords

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

Kozuch, Michael A. Adjunct Professor – ECE

Krogh, Bruce H. Professor – ECE

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 University Professor – ECE; Affiliated Faculty – DSSC

Keywords

Magnetic recording, optical recording and ferroelectric materials

Kumar, Swarun S. Assistant Professor – ECE

Lambeth, David N. Emeritus Professor – ECE

Keywords

Physical and chemical sensors, transducers, MEMS, magnetism, materials, thin films, data storage and RF devices
Lane, Ian R. Assistant Research Professor – ECE
ianlane@cs.cmu.edu

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

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

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

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

Keywords
Integrated circuits, computer-aided design

Liu, Zhaojun Assistant Professor – JIE; Visiting Professor – ECE
zhaojun@ece.cmu.edu

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

Low, Tze Meng Systems Scientist – ECE
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
sm70@andrew.cmu.edu

Maly, Wojciech Emeritus Professor – ECE (412)-268-6637
maly@ece.cmu.edu
Keywords

Computer-aided design and manufacturing of VLSICs
Marculescu, Radu Professor – ECE (412)-268-8710
radum@ece.cmu.edu

Keywords

Embedded systems, multicore systems, on-chip communication, low-power design, cyber-physical systems.
Marculescu, Diana Associate Department Head for Academic Affairs – ECE; Professor – ECE (412)-268-1167
dianam@ece.cmu.edu

Keywords

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

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

Keywords

Moura, Jose Associate Department Head - Research & Strategic (412)-268-6341
moura@ece.cmu.edu
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
(412)-268-3725 tcm@cs.cmu.edu

Keywords

Computer architecture, compilers, operating systems, parallel processing

Moya, Linda Affiliated Faculty – ECE
lhmoya@andrew.cmu.edu

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

Keywords

Analog/RF/MEMS/biofluidic microsystem design

Mutlu, Onur Associate Professor – ECE, CS (412)-268-1186 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

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

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

Ozdoganlar, O. Burak Affiliated Faculty – DSSC; Associate Professor – MechE

Péraire, Cécile Assistant Teaching Professor – ECE

Püschel, Markus Adjunct Professor – ECE

Paramesh, Jeyanandh Associate Professor – ECE

Pasareanu, Corina Senior Research Scientist – ECE-SV

Pavlo, Andy Courtesy Professor – ECE

Peha, Jon Professor – EPP; Courtesy Professor – ECE
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

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 – CS, ECE

Keywords

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

Rajkumar, Raj Professor – ECE, CS; Co-Director – GM-CM

Keywords
## Keywords

**Embedded and real-time systems**  
*Ramakrishnan, Bhiksha Raj*  
Professor – ECE; Associate Professor – LTI  
*Reddy, Raj*  
Professor – ECE; Mozah Bint Nasser University Professor – CS  
*Ricketts, David*  
Professor – ECE  

**Nanoscale electronics, nanoscale devices, nonlinear dynamics, analog circuits**  
*Rohde, Gustavo K.*  
Associate Professor – BME; Courtesy Professor – ECE  
*Rohrer, Ronald A.*  
Emeritus Professor – ECE  

**Electronic circuits, systems design automation**  
*Rowe, Anthony*  
Associate Professor – ECE  

**Embedded systems, distributed systems, sensor networks**  
*Rutenbar, Rob A.*  
Adjunct Professor – ECE  

**VLSI CAD, algorithms, analog and digital circuits, automatic speech recognition**  
*Rybski, Paul E.*  
Systems Scientist – RI; Adjunct Professor – ECE  

**Human/robot interaction, mobile robotics**
Salvador, Paul A., Associate Professor – MSE; Affiliated Faculty – DSSC
Sankaranarayanan, Aswin, Assistant Professor – ECE
Satyanarayanan, Mahadev, Carnegie Professor – CS; Courtesy Professor – ECE
Savvides, Marios, Research Professor – ECE; Director – CyLab Biometrics Center

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

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

Keywords
Semiconductor devices, information storage, optoelectronic systems

Schneider, Jeff, Research Professor – RI; Courtesy 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

Shen, John, Professor – ECE

17
Keywords

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

Siewiorek, Daniel Buhl University
Professor – ECE, CS; Director – HCII
(412)-268-2570
dps@ece.cmu.edu

Keywords

Computer architecture, reliability, context aware mobile computing

Sinopoli, Bruno Associate
Professor – ECE, RI, MechE
(412)-268-9432
brunos@ece.cmu.edu

Keywords

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

Sirbu, Marvin Professor – EPP; Courtesy
(412)-268-3436
sirbu@cmu.edu

Keywords

Telecommunications policy and economics

Sitti, Metin Professor – MechE, RI; Courtesy 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
ms3s@andrew.cmu.edu

Keywords

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
Smola, Alex  Professor – MLD; Courtesy  (408) 759-1044
Professor – ECE  smola@andrew.cmu.edu
Sokalski, Vincent  Assistant  (412)-268-8628
Research Professor – MSE; Affiliated Faculty – DSSC  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  ddstancil@ncsu.edu
Professor – ECE

Keywords

Wireless communications, nanophotonics, spin wave devices

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

Keywords

Computer networks, distributed systems, pervasive computing

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

Keywords

Automatic speech recognition, auditory perception, signal processing

Strojwas, Andrzej  Keithley  (412)-268-3530
Professor – ECE  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

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

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

Keywords

Autonomous agents, distributed control, power systems, cascading failures
Tang, Xiaoying Adjunct (412) 268-5244
txiaoyin@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 (412)-268-8091
towe@cmu.edu

Keywords

Power Systems Protection, Communication in Power Networks, Distributed Generation, Microgrids and Smartgrids
Ustun, Taha Selim Assistant Teaching (412)-268-4862
ustun@cmu.edu
Veloso, Manuela  Professor – CS; Courtesy Professor – ECE

Veríssimo, Paulo  Adjunct Professor – ECE

Wang, Kai  Assistant Professor – JIE; Adjunct Professor – ECE

Wasserman, Anthony  Adjunct Professor – ECE

Weiss, Lee  Courtesy Professor – ECE; Research Professor – RI

Weldon, Jeffrey  Assistant Professor – ECE

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

Wing, Jeannette M.  President's Professor – CS; Courtesy Professor – ECE

Keywords

Specification, verification, reliability, security, distributed systems, software engineering, programming languages

Xu, Yinliang  Assistant Professor – JIE; Adjunct Professor – ECE

Yagan, Osman  Assistant Research Professor – ECE
Keywords

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

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

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

Yu, Zhiyi (412) 268-9658
Adjunct Professor – ECE; Associate Professor – JIE
zhiyiyu@andrew.cmu.edu

Keywords

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

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

Keywords

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

Z

Zhang, Jun (412) 268-3935
Assistant Professor – JIE; Visiting Professor – ECE
junz2@ece.cmu.edu

Zhang, Jia (650)-335-2824
Associate Teaching Professor – ECE
jia.zhang@sv.cmu.edu

Zhang, Joy (650)-335-2823
Adjunct Professor – ECE
joy@cs.cmu.edu

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

Keywords

Sensor Networks, Embedded Systems

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

Keywords

Computer networks, internet, resource management, multimedia
Keywords

Micromagnetics, magnetoelectronic devices, magnetic recording