<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agarwal, Yuvraj</td>
<td>Courtesy Professor – ECE; Assistant Professor – CS</td>
<td><a href="mailto:yuvraja@andrew.cmu.edu">yuvraja@andrew.cmu.edu</a> (412) 268-7328</td>
</tr>
<tr>
<td>Alacce, John</td>
<td>Systems Administrator – ECE</td>
<td><a href="mailto:jalacce@ece.cmu.edu">jalacce@ece.cmu.edu</a> (412)-268-6649</td>
</tr>
<tr>
<td>Alvarez, Renee</td>
<td>Senior Administrative Assistant – ECE</td>
<td><a href="mailto:RCALVARE@andrew.cmu.edu">RCALVARE@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Ambrass, Charlotte</td>
<td>Director of Finance and Sponsored Research – ECE</td>
<td><a href="mailto:ambrass@ece.cmu.edu">ambrass@ece.cmu.edu</a> (412)-268-6858</td>
</tr>
<tr>
<td>Amos, Rachel</td>
<td>Manager of Undergraduate Advising – ECE</td>
<td><a href="mailto:ramos2@andrew.cmu.edu">ramos2@andrew.cmu.edu</a> (412) 268-3666</td>
</tr>
<tr>
<td>Amvrosiadis, George</td>
<td>Assistant Research Professor – ECE</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><a href="mailto:dga2@andrew.cmu.edu">dga2@andrew.cmu.edu</a> (412) 268-3602</td>
</tr>
<tr>
<td>Anna, Shelley L.</td>
<td>Associate Professor – MechE; Affiliated Faculty – DSSC</td>
<td><a href="mailto:sanna@andrew.cmu.edu">sanna@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Ausavarungnirun, Rachata</td>
<td>Post Doctoral Research Associate – ECE</td>
<td><a href="mailto:rausavar@andrew.cmu.edu">rausavar@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Bain, Jim</td>
<td>Professor – ECE, MSE; Associate Director – DSSC</td>
<td><a href="mailto:jbain@ece.cmu.edu">jbain@ece.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

Bandola, Judy Administrative Coordinator – ECE

Bauer, Lujo Associate Professor – ISR, ECE

**Keywords**

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

Bauerle, Claire E. Administrative Coordinator – ECE

Beckmann, Nathan Courtesy Professor – ECE; Assistant Professor – CSD
<table>
<thead>
<tr>
<th>Name</th>
<th>Title / Position / Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Berger, Luc</td>
<td>Professor Emeritus – Physics; Affiliated Faculty – DSSC (412)-268-2919 <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 412-268-4572 <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 (412)-268-3026 <a href="mailto:kumar@ece.cmu.edu">kumar@ece.cmu.edu</a></td>
</tr>
<tr>
<td>Bianchini, Ronald</td>
<td>Adjunct Professor – ECE (412)-968-9110 <a href="mailto:rpb@ece.cmu.edu">rpb@ece.cmu.edu</a></td>
</tr>
<tr>
<td>Bintrim, Grace</td>
<td>Administrative Coordinator – ECE (412) 268-9192 <a href="mailto:gbintrim@andrew.cmu.edu">gbintrim@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Bishop, Cathy</td>
<td>Instructor – ECE <a href="mailto:mcbishop@andrew.cmu.edu">mcbishop@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Blanton, Shawn</td>
<td>Professor – ECE (412)-268-2987 <a href="mailto:rblanton@andrew.cmu.edu">rblanton@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Bollapragada, Vara</td>
<td>Post Doctoral Research Associate – ECE <a href="mailto:sbollapr@ece.cmu.edu">sbollapr@ece.cmu.edu</a></td>
</tr>
<tr>
<td>Boni, Dante</td>
<td>Equipment Technician – Nanofab <a href="mailto:dboni@andrew.cmu.edu">dboni@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Bosle, Kevin</td>
<td>Senior Buyer – ECE (412)-268-9642 <a href="mailto:kbosle@ece.cmu.edu">kbosle@ece.cmu.edu</a></td>
</tr>
<tr>
<td>Brown, Timothy X</td>
<td>Distinguished Service Professor – EPP, ECE +250 78 767 40 62 <a href="mailto:timxb@andrew.cmu.edu">timxb@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Brumley, David J.</td>
<td>Associate Professor – CSD; Director – CyLab; Professor – ECE (412)-268-3851 <a href="mailto:dbrumley@ece.cmu.edu">dbrumley@ece.cmu.edu</a></td>
</tr>
<tr>
<td>Bryant, Randal</td>
<td>Professor – CS; Courtesy Professor – ECE (412)-268-8821 <a href="mailto:bryant@cs.cmu.edu">bryant@cs.cmu.edu</a></td>
</tr>
</tbody>
</table>

**Keywords**

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

- **Bianchini, Ronald**: Adjunct Professor – ECE
- **Bintrim, Grace**: Administrative Coordinator – ECE
- **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 mcarls@andrew.cmu.edu

Caruso, Stephanie Academic Program Advisor – ECE stephaniec@cmu.edu

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

Keywords

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

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

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

Keywords

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

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

Chomas, Louis Research Associate – DSSC; Cleanroom/MEMS Engineer – ECE (412)-855-9077 lchomas@andrew.cmu.edu

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

Keywords

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

Chung, Pil Seung  Post Doctoral Research Associate – ChemE, DSSC

(412)-268-4035
pil@cmu.edu

Cominos, Lenna  Corporate Relations – ECE

(412)-268-7689
cominos@andrew.cmu.edu

Condeessa, Filipe  Post Doctoral Research Associate – ECE

fcondess@andrew.cmu.edu

Conley, Kelley  Research Administrator – ECE

412-268-3729
kelleyc@andrew.cmu.edu

Copetas, Catherine  ECE/SCS Office of Engagement and Annual Giving – ECE

copetas@andrew.cmu.edu

Cowan, Christina  Director of Administrative Services & Office of the Department Head – ECE

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

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

(412)-268-7534
lorrie@cs.cmu.edu

Keywords

Usable privacy and security

D

Datta, Anupam  Professor – ECE; Associate Professor – CyLab

danupam@andrew.cmu.edu

(412)-268-7264
rfd@andrew.cmu.edu

Davis, Robert  John and Claire Bertucci Distinguished Professor – MSE; Courtesy Professor – ECE

(412)-268-8157
ddecker@andrew.cmu.edu

Decker, Dave  Manager of Web Development Services – ECE

De La Torre Frade, Fernando  Courtesy Professor – ECE; Research Scientist – RI

ftorre@cs.cmu.edu

Dey, Anind K.  Associate Professor – HCII; Courtesy Professor – ECE

anind@cs.cmu.edu

Dolan, John  Courtesy Professor – ECE; Senior Systems Scientist – RI

(412)-268-7988
jmd@cs.cmu.edu
Keywords

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

Du, Jian Post Doctoral Research Associate – ECE
(412)-268-3052
jiand@andrew.cmu.edu

Eckhardt, Dave Courtesy Professor – ECE; Assistant Teaching Professor – CS
davide+receptionist@cs.cmu.edu

Elgersma, Steve Senior Systems & Software Engineer – ECE
elgersma@ece.cmu.edu
(412)-268-9531

Erdogmus, Hakan Teaching Professor – ECE
hakan.erdogmus@sv.cmu.edu
650-335-2834

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

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

Falsafi, Babak Adjunct Professor – ECE, CS
babak.falsafi@epfl.ch

Fedder, Gary Howard M.
fedder@ece.cmu.edu
(412)-268-8443

Fanti, Giulia Assistant Professor – ECE
gfanti@andrew.cmu.edu
(412)-268-4745

Fassinger, Dan P. IT Manager – ECE
danfas@ece.cmu.edu
(412)-268-8443
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
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
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

Grupe, Alan, Senior Facilities Manager – ECE
(412)-268-2526
alan@ece.cmu.edu

Harchol-Balter, Mor, Associate Professor – CS; Courtesy Professor – ECE
(412)-268-7893
harchol@andrew.cmu.edu

Keywords

Scheduling of computer systems, workload characterization, heavy-tailed distributions

Harding, Meighan, Senior Director of Operations – ECE
(412)-268-8924
meighan.harding@ece.cmu.edu

He, Bin, Courtesy Professor – ECE; Professor – BME; Department Head – BME
(412)-268-2486
bhe1@andrew.cmu.edu

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

Keywords

Tribology, nanomanufacturing, multi-scale particle flows

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

Keywords

Research in wireless technology and telecommunications policy

Hilton, Chad, Senior Systems & Software Engineer – ECE
(412)-268-6037
chilton@andrew.cmu.edu

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

Electromagnetics, electromechanics, electrohydrodynamics, microfluidics

Hoe, James C. Professor – ECE, CS; Co-Director – CALCM (412)-268-4259
jhoe@cmu.edu

Keywords

Computer architecture, high-level hardware description and synthesis

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

Keywords

Haptics, microassembly, dynamically stable mobile robots

Hong, Jason Courtesy Professor – ECE; Associate Professor – CS jasonh@cs.cmu.edu

Keywords

power systems, optimization, control, energy networks, decomposition

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

Keywords

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

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

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

Keywords

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

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

Jayan, B. Reeja  
Courtesy Professor – ECE  
(412)-268-2233  
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 Professor – ECE, RI; Assistant Professor – MechE  
(412)-268-2590  
amj1@andrew.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

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

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

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
Kimukin, Ibrahim Research Associate – ECE (412)-268-9013
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
+250 78 484 08 55 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 (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

Kurpiewski, Matthew Systems Administrator – ECE (412) 268-1973 mkurp@andrew.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 (412)-268-2706
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
650-335-2824
diana.leathers@sv.cmu.edu

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

Li, Ming Adjunct Professor – ECE mingli1@andrew.cmu.edu
Li, Qing Adjunct Faculty – ECE qingli2@andrew.cmu.edu
Li, Xin Adjunct Faculty – ECE (412)-268-6507 xinli@ece.cmu.edu

Keywords

Integrated circuits, computer-aided design

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

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

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

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

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

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

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

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

Majetich, Sara A. Professor – Physics;Courtesy Professor – ECE; Affiliated Faculty – DSSC
(412)-268-3105
sm70@andrew.cmu.edu

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

Majetich, Sara A. Professor – Physics; Courtesy Professor – ECE; Affiliated Faculty – DSSC
(412)-268-3105
sm70@andrew.cmu.edu

Marculescu, Diana David Edward Schramm Professor – ECE; Associate Department Head for Academic Affairs – ECE
(412)-268-1167
dianam@ece.cmu.edu

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

Marculescu, Diana David Edward Schramm Professor – ECE; Associate Department Head for Academic Affairs – ECE
(412)-268-1167
dianam@ece.cmu.edu

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

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

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

Keywords
Computer-aided design and manufacturing of VLSICs

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

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

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
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
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 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 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 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 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; Courtesy Professor – Intel Research Pittsburgh  (412)-268-8199
droh@cs.cmu.edu

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

Oliver, Megan  Academic Services Coordinator – ECE  412-268-5621
mvoliver@andrew.cmu.edu

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

Ozdoganlar, Neslihan  M.S. Academic Program Advisor – ECE  (412)-268-6581
neslio@andrew.cmu.edu

Péraire, Cécile  Associate Teaching Professor – ECE  cecile.peraire@sv.cmu.edu

Püschel, Markus  Adjunct Professor – ECE  (412)-268-3804
pueschel@ece.cmu.edu

Keywords
Fast computing, algorithms, applied mathematics, and signal processing (theory, software, hardware)

Pagliarini, Samuel  Senior Research Scientist – ECE  spagliar@ece.cmu.edu

Palko, Adam P.  Finance and Research Administrator – ECE  (412)-268-2188
apalko@ece.cmu.edu

Pandey, Manish  Adjunct Faculty – ECE  mpandey@andrew.cmu.edu

Paramesh, Jeyanandh  Associate Professor – ECE  (412)-268-1290
paramesh@ece.cmu.edu

Keywords
Analog, Mixed-signal and RF/millimeter-wave Integrated Circuit Design, Digitally-assisted analog/RF IC design

Parno, Bryan  Associate Professor – ECE, CSD  (412) 268-2033
Keywords

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

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

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

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

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

Keywords

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

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

Keywords

Design, implementation and modeling of electronic integrated systems

Pileggi, Leah Professional Writer – ECE; Professional Assistant – ECE leahp1@andrew.cmu.edu
Platzer, Andre Assistant Professor – CSD; Associate Professor – ECE

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

Racko, Angela Finance and Business Associate – ECE

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

Ramsey, Erika Temporary Employee Services - Finance and Business Associate – ECE

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

Rengarajan, Vijay Post Doctoral Research Associate – ECE

Reyes, Brittany Academic Services and Student Organizations Coordinator – ECE

Ricketts, David Adjunct Professor – ECE

Keywords
Nanoscale electronics, nanoscale devices, nonlinear dynamics, analog circuits

Risley, Mason Process Engineer – Nanofab

Rohrer, Ronald A. Professor Emeritus – ECE
Keywords

Electronic circuits, systems design automation

**Rosvanis, James** Nanofab Technician – Nanofab (412)-268-1375 rosvanis@andrew.cmu.edu

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

Keywords

Embedded systems, distributed systems, sensor networks

**Rutenbar, Rob A.** Adjunct Professor – ECE rutenbar@ece.cmu.edu

Keywords

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

**Salvador, Paul A.** Associate Professor – MSE; Affiliated Faculty – DSSC (412)-268-2702 paul7@andrew.cmu.edu

**Sankaranarayanan, Aswin** Assistant Professor – ECE (412)-268-1087 saswin@ece.cmu.edu

**Santhanam, Suresh** Principal Process Engineer – ECE (412)-268-2026 ss9s@andrew.cmu.edu

**Satyanarayanan, Mahadev** Carnegie Professor – CS; Courtesy Professor – ECE (412)-268-3743 satya@cmu.edu

**Savvides, Marios** Research Professor – ECE; Director – CyLab Biometrics Center (412)-268-1142 marioss@andrew.cmu.edu

Keywords

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

**Schlesinger, T.E. (Ed)** Adjunct Professor – ECE ed@ece.cmu.edu

Keywords

Semiconductor devices, information storage, optoelectronic systems

**Schneider, Jeff** Research Professor – RI; Courtesy Professor – ECE jeff4@andrew.cmu.edu

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

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

Seshan, Srinivasan  
Associate Professor – CS; Courtesy Professor – ECE  
(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

Siepiwoerek, 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

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

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

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

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

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

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

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

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

Keywords

Wireless communications, nanophotonics, spin wave devices

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

Keywords

Computer networks, distributed systems, pervasive computing

Stern, Richard Professor – ECE, LTI, CSD, BME; Lecturer – Music (412)-268-2535 rns@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

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

Keywords

Network security; Wireless networking

Talukdar, Sarosh Professor Emeritus – ECE (412)-268-8778 talukdar@ece.cmu.edu

Keywords

Autonomous agents, distributed control, power systems, cascading failures

Tang, Xiaoying Adjunct Professor – ECE txiaoyin@ece.cmu.edu

Taylor, Rebecca Assistant Professor – MechE; Courtesy Professor – ECE bex@andrew.cmu.edu

Tayur, Sridhar Courtesy Professor – ECE; Professor – Tepper 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

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

Tomko, Jessica Admissions Coordinator – ECE
(412)-268-4786
jptomko@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

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

Wasserman, Anthony Adjunct Professor – ECE
(650)-335-2807
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
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
oyagan@ece.cmu.edu

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

Ydstie, B, Erik  Professor – ChemE; Courtesy Professor – ECE
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
byronyu@cmu.edu
Keywords

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

**Yu, Zhiyi**
Adjunct Professor – ECE

zhiyiu@andrew.cmu.edu

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

**Zhang, Hui**
Professor – CS; Courtesy Professor – ECE

(412)-268-8945
hzhang@cs.cmu.edu

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

Sensor Networks, Embedded Systems

**Zhu, Jimmy**
ABB Professor – ECE; Professor – MSE, Physics; Director – DSSC

(412)-268-8373
jzhu@ece.cmu.edu

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