<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mostafa Bassiouni</td>
<td>1</td>
</tr>
<tr>
<td>Ladislau Bölöni</td>
<td>1</td>
</tr>
<tr>
<td>Mainak Chatterjee</td>
<td>2</td>
</tr>
<tr>
<td>Niels da Vitoria Lobo</td>
<td>2</td>
</tr>
<tr>
<td>Damian Dechev</td>
<td>3</td>
</tr>
<tr>
<td>Narsingh Deo</td>
<td>3</td>
</tr>
<tr>
<td>Hassan Foroosh</td>
<td>4</td>
</tr>
<tr>
<td>Fernando Gomez</td>
<td>4</td>
</tr>
<tr>
<td>Avelino J. Gonzalez</td>
<td>5</td>
</tr>
<tr>
<td>Ratan K. Guha</td>
<td>5</td>
</tr>
<tr>
<td>Mark Heinrich</td>
<td>6</td>
</tr>
<tr>
<td>Nancy Haiyan Hu</td>
<td>6</td>
</tr>
<tr>
<td>Kien A. Hua</td>
<td>7</td>
</tr>
<tr>
<td>Charles E. Hughes</td>
<td>7</td>
</tr>
<tr>
<td>Sumit Jha</td>
<td>8</td>
</tr>
<tr>
<td>Sheau-Dong Lang</td>
<td>8</td>
</tr>
<tr>
<td>Joseph J. LaViola Jr.</td>
<td>9</td>
</tr>
<tr>
<td>Gary T. Leavens</td>
<td>9</td>
</tr>
<tr>
<td>Dan C. Marinescu</td>
<td>10</td>
</tr>
<tr>
<td>Ali Orooji</td>
<td>10</td>
</tr>
<tr>
<td>Sumanta Pattanaik</td>
<td>11</td>
</tr>
<tr>
<td>Mubarak A. Shah</td>
<td>11</td>
</tr>
<tr>
<td>Kenneth O. Stanley</td>
<td>12</td>
</tr>
<tr>
<td>Gita R. Sukthankar</td>
<td>12</td>
</tr>
<tr>
<td>Damla Turgut</td>
<td>13</td>
</tr>
<tr>
<td>Gregory F. Welch</td>
<td>13</td>
</tr>
<tr>
<td>Pawel Wocjan</td>
<td>14</td>
</tr>
<tr>
<td>Annie S. Wu</td>
<td>14</td>
</tr>
<tr>
<td>Shaojie Zhang</td>
<td>15</td>
</tr>
<tr>
<td>Cliff C. Zou</td>
<td>15</td>
</tr>
</tbody>
</table>
### CONTACT INFORMATION – EECS, COMPUTER SCIENCE DIVISION

#### FACULTY

<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
<th>Phone</th>
<th>E-Mail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bassiouni, Mostafa H.</td>
<td>HEC 307</td>
<td>(407) 823-2837</td>
<td><a href="mailto:bassi@eecs.ucf.edu">bassi@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Boloni, Ladislau</td>
<td>HEC 319</td>
<td>(407) 823-2320</td>
<td><a href="mailto:lboloni@eecs.ucf.edu">lboloni@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Chatterjee, Mainak</td>
<td>HEC 305</td>
<td>(407) 823-5793</td>
<td><a href="mailto:mainak@eecs.ucf.edu">mainak@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Da Vitoria Lobo, Niels</td>
<td>HEC 252</td>
<td>(407) 823-2873</td>
<td><a href="mailto:niels@eecs.ucf.edu">niels@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Dechev, Damian</td>
<td>HEC 211</td>
<td>(407) 823-2549</td>
<td><a href="mailto:dechev@eecs.ucf.edu">dechev@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Deo, Narsingh</td>
<td>HEC 361</td>
<td>(407) 823-6336</td>
<td><a href="mailto:deo@eecs.ucf.edu">deo@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Foroosh, Hassan</td>
<td>HEC 437E</td>
<td>(407) 823-5299</td>
<td><a href="mailto:foroosh@eecs.ucf.edu">foroosh@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Gomez, Fernando</td>
<td>HEC 318</td>
<td>(407) 823-2764</td>
<td><a href="mailto:gomez@eecs.ucf.edu">gomez@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Gonzalez, Avelino J.</td>
<td>HEC 329</td>
<td>(407) 823-5027</td>
<td><a href="mailto:gonzalez@eecs.ucf.edu">gonzalez@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Guha, Ratan</td>
<td>HEC 244</td>
<td>(407) 823-2956</td>
<td><a href="mailto:guha@eecs.ucf.edu">guha@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Heinrich, Mark</td>
<td>HEC 433</td>
<td>(407) 882-0138</td>
<td><a href="mailto:heinrich@eecs.ucf.edu">heinrich@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Hu, Nancy Haiyan</td>
<td>HEC 233</td>
<td>(407) 882-0134</td>
<td><a href="mailto:haihu@eecs.ucf.edu">haihu@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Hua, Kien A.</td>
<td>HEC 229</td>
<td>(407) 823-5342</td>
<td><a href="mailto:kienhua@eecs.ucf.edu">kienhua@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Hughes, Charles E.</td>
<td>HEC 247C</td>
<td>(407) 823-2762</td>
<td><a href="mailto:ceh@eecs.ucf.edu">ceh@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Jha, Sumit</td>
<td>HEC 253</td>
<td>(407) 882-2215</td>
<td><a href="mailto:jha@eecs.ucf.edu">jha@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Lang, Sheau-Dong</td>
<td>HEC 207</td>
<td>(407) 823-2474</td>
<td><a href="mailto:lang@eecs.ucf.edu">lang@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>LaViola, Joseph</td>
<td>HEC 321</td>
<td>(407) 882-2285</td>
<td><a href="mailto:jjl@eecs.ucf.edu">jjl@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Leavens, Gary T.</td>
<td>HEC 437D</td>
<td>(407) 823-4758</td>
<td><a href="mailto:leavens@eecs.ucf.edu">leavens@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Marinescu, Dan C.</td>
<td>HEC 304</td>
<td>(407) 823-4860</td>
<td><a href="mailto:dcm@eecs.ucf.edu">dcm@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Orooji, Ali</td>
<td>HEC 345D</td>
<td>(407) 823-5660</td>
<td><a href="mailto:orooji@eecs.ucf.edu">orooji@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Pattanaik, Sumanta</td>
<td>HEC 218</td>
<td>(407) 823-2638</td>
<td><a href="mailto:sumant@eecs.ucf.edu">sumant@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Shah, Mubarak</td>
<td>HEC 247</td>
<td>(407) 823-5077</td>
<td><a href="mailto:shah@eecs.ucf.edu">shah@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Stanley, Kenneth</td>
<td>HEC 332</td>
<td>(407) 823-4289</td>
<td><a href="mailto:kstanley@eecs.ucf.edu">kstanley@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Sukthankar, Gita</td>
<td>HEC 232</td>
<td>(407) 823-4305</td>
<td><a href="mailto:gitar@eecs.ucf.edu">gitar@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Tappan, Marshall</td>
<td>HEC 230</td>
<td>(407) 823-2688</td>
<td><a href="mailto:mtappan@eecs.ucf.edu">mtappan@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Turgut, Damla</td>
<td>HEC 317</td>
<td>(407) 823-6171</td>
<td><a href="mailto:turgut@eecs.ucf.edu">turgut@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Wocjan, Pawel</td>
<td>HEC 341</td>
<td>(407) 823-2844</td>
<td><a href="mailto:wocjan@eecs.ucf.edu">wocjan@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Wu, Annie</td>
<td>HEC 314</td>
<td>(407) 823-5922</td>
<td><a href="mailto:aswu@eecs.ucf.edu">aswu@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Zhang, Shaolei</td>
<td>HEC 311</td>
<td>(407) 823-6095</td>
<td><a href="mailto:zhao@eecs.ucf.edu">zhao@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Zou, Cliff</td>
<td>HEC 243</td>
<td>(407) 823-5015</td>
<td><a href="mailto:czou@eecs.ucf.edu">czou@eecs.ucf.edu</a></td>
</tr>
</tbody>
</table>

#### PROFESSOR EMERITUS

<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
<th>Phone</th>
<th>E-Mail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dutton, Ronald</td>
<td>HEC 204</td>
<td>(407) 883-2920</td>
<td><a href="mailto:dutton@eecs.ucf.edu">dutton@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Mukherjee, Amar</td>
<td>HEC 330</td>
<td>(407) 883-2763</td>
<td><a href="mailto:amar@mail.ucf.edu">amar@mail.ucf.edu</a></td>
</tr>
</tbody>
</table>

#### AFFILIATED FACULTY, VISITORS, AND JOINT APPOINTMENTS

<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
<th>Phone</th>
<th>E-Mail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hickman, James</td>
<td>PVL 402</td>
<td>(407) 823-1925</td>
<td><a href="mailto:jhickman@mail.ucf.edu">jhickman@mail.ucf.edu</a></td>
</tr>
<tr>
<td>Li, Shaw</td>
<td>HEC 210</td>
<td>(407) 823-4811</td>
<td><a href="mailto:xiaoman@mail.ucf.edu">xiaoman@mail.ucf.edu</a></td>
</tr>
<tr>
<td>Shumaker, Randall</td>
<td>P2 314</td>
<td>(407) 882-1301</td>
<td><a href="mailto:shumaker@ieee.org">shumaker@ieee.org</a></td>
</tr>
<tr>
<td>Sukthankar, Rahul</td>
<td>HEC 358</td>
<td>(407) 882-2289</td>
<td><a href="mailto:rahuls@cs.cmu.edu">rahuls@cs.cmu.edu</a></td>
</tr>
<tr>
<td>Welch, Greg</td>
<td>IST</td>
<td>(407)-796-2823</td>
<td><a href="mailto:welch@ucf.edu">welch@ucf.edu</a></td>
</tr>
<tr>
<td>Name</td>
<td>Office</td>
<td>Phone</td>
<td>Email</td>
</tr>
<tr>
<td>--------------------</td>
<td>---------</td>
<td>-------------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td>Abdallah, Nazih</td>
<td>HEC 220</td>
<td>(407) 823-0424</td>
<td><a href="mailto:abdallah@eecs.ucf.edu">abdallah@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Eisler, Andrew</td>
<td>HEC 219</td>
<td>(407) 823-2438</td>
<td><a href="mailto:aeisler@eecs.ucf.edu">aeisler@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Guha, Arup</td>
<td>HEC 240</td>
<td>(407) 823-1062</td>
<td><a href="mailto:dmarino@eecs.ucf.edu">dmarino@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Llewellyn, Mark</td>
<td>HEC 236</td>
<td>(407) 823-2790</td>
<td><a href="mailto:markl@eecs.ucf.edu">markl@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Montagne, Euripides</td>
<td>HEC 217</td>
<td>(407) 823-2684</td>
<td><a href="mailto:eurip@eecs.ucf.edu">eurip@eecs.ucf.edu</a></td>
</tr>
<tr>
<td>Nedorost, Thomas</td>
<td>HEC 258</td>
<td>(407) 823-0408</td>
<td><a href="mailto:Thomas.Nedorost@ucf.edu">Thomas.Nedorost@ucf.edu</a></td>
</tr>
</tbody>
</table>
Mostafa Bassiouni

**Professor**
Ph.D., Computer science; Pennsylvania State University, 1982

**Contact**
bassi@eecs.ucf.edu
407-823-2837

**Research**
http://www.eecs.ucf.edu/~bassi

Co-Director, Networking and Security (NetSec) Lab
- **Computer Networks**
  - Internet Transport Protocols
  - Cellular/Wireless and Optical Networks
- **Distributed Systems**
  - Distributed Interactive Simulation

**Other Experience**
- Visiting Faculty Researcher, Cincinnati Bell Information Systems Inc., Summer 1994
- Consultant, Trendium Inc., 2000

**Professional Activities**
- Associate Editor, The Computer Journal- Oxford University Press
- Editor-in-Chief, Electronics- Digital Publishing Institute (MDPI)
- Editor-in-Chief, Journal of Telecommunications System & Management, OMICS Publishing
- Editorial Board Member: Journal of ISRN Communications and Networking, International Journal on Advances on Networks and Services, Journal of Information Technology and Software Engineering
- University Internet-2 Application Chair, 1998-2001
- Program Chair, 1st & 2nd Conference on Computer Simulation Methods and Applications, 1998 & 2000
- Technical Program Committee Member of many Conferences
- Guest Co-Editor, Journal of Simulation Practice & Theory, Special Issue on Simulation Methods and Applications, April 2002
- Served as Reviewer for 40 International Journals and IEEE/ACM Transactions

**Honors & Awards**
- UCF Research Incentive Award, 2004-05
- UCF Teaching Incentive Program Award, 1998-99, 2003-04 and 2009-10
- Excellence in Undergraduate Teaching Award, College of Engineering & Computer Science, 2013
- Distinguished Research Lecturer Award, College of Engineering & Computer Science, 2003
- Distinguished Researcher Award, College of Arts and Science, 1995

Ladislau Bölöni

**Associate Professor**
Ph.D., Computer Science; Purdue University, 2000

**Contact**
lboloni@eecs.ucf.edu
407-823-2320

**Research**
Networking and Mobile Computing Laboratory:
http://netmoc.eecs.ucf.edu

- Autonomous agents
  - Modeling of human behavior in social and cultural environments
  - Human-robot interaction
  - Mutable agents
  - Knowledge representation
- Cognitive architectures
  - Narrative reasoning
- Distributed and grid computing
  - Task scheduling and resource allocation
- Wireless networking
  - Sensor networks with mobile sinks and nodes

**Other Experience**
- Visiting Researcher, Hungarian Academy of Science 1994-95
- Infrastructure Architect, CPlane Inc. 2000-2002
- Visiting Researcher, Imperial College, London, 2011

**Professional Activities**
- Panel reviewer (NSF, NASA, NIH)
- Associate Editor, International Journal of Parallel, Emergent and Distributed Systems

**Honors & Awards**
- Senior Member, Institute of Electrical and Electronics Engineers (IEEE)
- NASA Software Award
Mainak Chatterjee

Associate Professor
Ph.D., Computer Science & Engineering; University of Texas at Arlington, 2002

Contact
mainak@eecs.ucf.edu
407-823-5793

Research
NetMoC: http://netmoc.eecs.ucf.edu/

- Wireless Networks
  - Cognitive radio networks
  - Dynamic spectrum access
  - Ad hoc and sensor networks, 4G/5G
- Network Economics
  - Pricing issues in networks
  - Game and Auction theories
- Network Science
  - Social network interactions
  - Information propagation
- Video Delivery
  - Video transport, QoE
  - IPTV, VoD, Streaming media

Other Experience
- Faculty Fellow, Air Force Research Lab
- Consultant, NEC, ITT, and AFRL
- Research Intern, Nokia Research, 2001

Professional Activities
- Associate Editor, Pervasive and Mobile Computing
- Associate Editor, Computer Communications
- Founding Chair, ACM Workshop Mobile Video (MoVid)
- Secretary, IEEE Technical Committee of Cognitive Radio
- TPC Co-Chair: WoWMoM, ICCCN, ICDCN, AMOC
- TPC member: INFOCOM, DySPAN, ICC, PerCom

Honors & Awards
- Best paper award, IEEE PIMRC 2011
- US National Research Council Fellowship Award 2011
- Teaching Incentive Program Award (TIP), 2010
- Best paper award, IEEE Globecon 2008
- Young Investigator Program (YIP) Award, AFOSR
- Best dissertation award, CSE, UTA, 2002
- Best Summer Intern, Nokia Research, 2001

Niels da Vitoria Lobo

Associate Professor
Ph.D., Computer Science; University of Toronto, 1993

Contact
niels@eecs.ucf.edu
407-823-2873

Research
http://server.eecs.ucf.edu/~vision/faculty/nielslobo.html

- Computational Vision
  - Object Detection in Cluttered Backgrounds
  - Integral Image Based Curve Detection
  - Hand and Person Detection and Tracking
- Active Vision and Mobile Robotics
  - Automobile Lane Following
  - Obstacle Detection
  - Optical Flow and Affine Motion Integration
- User Interfaces and Graphical Modeling
  - Wristband Trackers
  - Games for Mathematics Education

Professional Activities
- Associate Editor, Image Vision and Computing
- Associate Editor, Machine Vision and Applications

Honors & Awards
- UCF Millionaire’s Club, UCF Office of Research, 2008
- Teaching Incentive Program Award, 1996

Active Funding
- Pictures Represent Opportunities For Inspiration In Tech $1.2M from National Science Foundation with Mubarak Shah, Juli Dixon, and Gina Gresham, to work with Orange County Public High Schools, 2007-2010
- Project GAUSS: $600K to work with Math Majors (co-PI), from National Science Foundation, 2008-2011
- REU in Computer Vision: $300K, National Science Foundation, co-PI
Damian Dechev

Assistant Professor Ph.D., Computer Science and Engineering; Texas A&M University, 2009

Contact
dechev@eecs.ucf.edu
407-823-2549

Research
http://www.damiandechev.com

- Programming Techniques and Tools
- Practical Nonblocking Synchronization
- Exascale System Design and Analysis
- Model-based Program Design and Verification
- Multicore Programming and Program Analysis
- Design of Software Libraries

Other Experience
- Senior Member of Technical Staff, Sandia National Laboratories, Livermore, CA 2009-2010;
- Research Assistant, Texas A&M University, College Station, TX 2003-2009;
- Adjunct Faculty, University of Delaware, Newark, DE, 2001-2003;

Professional Activities
- Local Arrangements Chair, 7th International Conference on Collaborative Computing: Networking, Applications and Worksharing (CollaborateCom), Orlando, FL, October 15-18, 2011;
- Referee for NSF Review Panel: March 2011, October 2010;

Honors and Awards
- Best Graduate Teaching Assistant, Texas A&M University (2007) and University of Delaware (2002);
- Adobe Industrial Affiliates Program Scholarship, Texas A&M University (2004);

Narsingh Deo

Professor and Charles N. Millican Eminent Scholar Chair Ph.D., Electrical Engineering; Northwestern University, 1965

Contact
deo@eecs.ucf.edu
407-823-6336

Research
http://www.eecs.ucf.edu/~deo

- Parallel Algorithms and Data Structures
- Computational Graph Theory
- Complex Networks
- Computational Complexity and Algorithms
- Large Networks
- Multicore Computation

Other Experience
- Professor Computer Science, Washington State Univ. 1977-86; Dept. Chair 1980-84
- Professor of EECS Program Chair, IIT, Kanpur 1971-77
- Member Tech. Staff, Jet Propulsion Lab 1966-71
- Burroughs Corp (Engineer/Senior Engineer) 1960-66
- Visiting Faculty: IBM, Watson Res. Center; Oak Ridge National Lab; ANU, Canberra; University of Illinois, Urbana; University of Nebraska, Lincoln; ETH, Zurich; I.I. Sc. Bangalore; IIT, Kharagpur; Chuo University, Tokyo; Monash Univ., Melbourne

Professional Activities
- Editor-in-Chief, Jour. of Information Technology & Software Engineering
- Member, Editorial Board, The Journal of Supercomputing
- Member, Springer Editorial Board
- Member, Editorial Board, Journal of Electrical Engineering and Electronic Technology
- Member, Editorial Board, MDPI Electronics (Multidisciplinary Digital Publishing Institute), an open-access journal publisher, Basel, Switzerland
- Program Committee, 32nd International Symposium on Mathematical Foundations of CS
- Program Committee, 8th International Conference on Innovative Internet Community Systems
- President, Forum for Interdisciplinary Math (2007-10)
- Authored 4 books and over 250 refereed research papers; 3 US patents in digital hardware

Honors and Awards
- Apollo Achievement Award (NASA), 1969
- Fellow, IEEE
- Fellow, ACM
- Fellow, ICA
- UCF Distinguished Researcher, 1989
- Florida’s Governor’s Award for Science and Technology, 1989
- IEEE Distinguished Speaker, 1988-90
- UCF Research Incentive Award, 1996
- UCF Teaching Incentive Award, 1998
- UCF Excellence in Graduate Teaching Award, 2000
- Life-time- Contribution Award of Forum for Interdisciplinary Math, 2002
Hassan Foroosh
Associate Professor
2nd Affiliated faculty, Institute for Simulation & Training (IST), UCF
Ph.D., Computer Science; INRIA-University of Nice, France, 1996

Contact
foroosh@eecs.ucf.edu
407-823-5299

Research
Director, Computational Imaging Lab.: http://cil.cs.ucf.edu

- Video Surveillance and Camera Networks
  - Tracking in Video Camera Networks
  - Video Activity Recognition and Monitoring
  - Video Analysis and understanding
  - Video Registration
  - Tracking Moving Targets on a Moving Platform
- Image-Based Modeling
  - Camera Network Calibration
  - 3D Modeling from Video/Image Data
  - Video-Based Motion Capture and Animation
  - Facial expression, Hand Gesture, and Text Recognition in Video
- Image Processing
  - Image Registration, Super-resolution (SAR, EO, IR, Hyperspectral)
  - Compressed Sensing
  - Medical Image Processing

Other Experience
- Senior Research Scientist, UC Berkeley, 2000-2002
- Research Scientist, University of Maryland, College Park, 1997-2000

Professional Activities
- Associate Editor, IEEE Transactions on Image Processing, 2002-2008
- Session Chair CVPR, 2008
- Area chair, TPC member: ICIP, since 2002
- TPC member: CVPR, ICCV, since 2002

Honors & Awards
- Senior Member, IEEE
- IAPR Piero Zamperoni Award, 2004
- Academic Excellence Award, Sun, 2004
- Distinguished Researcher of EECS, UCF, 2005
- Distinguished Researcher of CECS, UCF, 2006
- IAPR Best Scientific Paper Award, 2008

Fernando Gomez
Professor
Ph.D., Computer Science; Ohio State University, 1981

Contact
gomez@eecs.ucf.edu
407-823-2764

Research
http://www.eecs.ucf/~gomez

- Natural Language Understanding
- Lexical Semantics
- Lexical Ontologies
- Semantic Interpretation
- Machine Learning applied to natural language processing
- Artificial Intelligence
- Common Sense Knowledge
- Knowledge Representation
- Knowledge Acquisition

Other Experience
- Lead project design for the NASA project on intelligent information retrieval

Professional Activities
- Program Committee of ACL-04, ACL-06, AC-07, ACM CIKM-07, and CIKM-08
- Reviewer for several journals, NASA, NSF
Avelino J. Gonzalez

Professor
Ph.D., Electrical Engineering; University of Pittsburgh, 1979

Contact
gonzalez@ucf.edu
407-823-5027

Research
http://people.cecs.ucf.edu/gonzalez

- Artificial Intelligence
- Human Behavior Representation in Tactical Solutions
- Contextual Reasoning
- Machine Learning
- Knowledge-Based Systems
- Automated Diagnostics
- Intelligent Simulations
- Validation and Verification of Knowledge-Based Systems

Other Experience
- Interim Chair, Civil and Environmental Engineering Department, University of Central Florida, 2005-2007.

Professional Activities
- Founding President (1998-1990), current Treasurer (since 1993), Florida Artificial Intelligence Research Society
- Member, IEEE

Ratan K. Guha

Professor
Ph.D., Computer Science; University of Texas, 1970

Contact
guha@eecs.ucf.edu
407-823-2956

Research
Co-Director, Distributed Computing and Networking Lab: http://www.eecs.ucf.edu/~guha

- Distributed Systems
- Computer Networks
- Cyber Security
- Modeling and Simulation

Other Experience
- Assistant Professor (1970-1976), Associate Professor (1976-1980), Acting Chairman (1979) – Southern Illinois University
- Research Associate, University of Texas at Austin, 1973
- Member of Technical Staff, Bell Labs., 1979-80
- Consultant, WISE, Inc. (1985)
- Visiting Professor, Beijing University (1985)
- Tokten Consultant to United Nation Development Program (1987)

Professional Activities
- General Chair, 1st & 2nd Conference on Computer Simulation Methods and Applications, 1998 & 2000
- Technical Program Committee Member and Reviewer of many Conferences
- Guest Co-Editor, Journal of Simulation Practice & Theory, Special Issue on Simulation Methods and Applications, April 2002
- Associate Editor: Modeling and Simulation in Engineering, Hindawi Publishing Corporation.
Mark Heinrich

Associate Professor
Ph.D., Electrical Engineering; Stanford University, 1998

Contact
heinrich@eecs.ucf.edu
407-882-0138

Research
http://csl.cs.ucf.edu/~heinrich

- Parallel Computer Architecture
- Heterogeneous/GPGPU Architectures
- Energy-efficient architectures
- Multicore Hardware/Software Co-Design
- Cloud-based Mobile and Web Services
- Scalable Cache Coherence Protocols

Other Experience
- Director, School of Computer Science, UCF, 2005
- Associate Director, School of EECS, UCF, 2005-07
- Founder, CTO, Phanfare Inc., 2004-2011, Acquired by Carbonite, August 2011
- Assistant Professor, ECE, Cornell University, 1998-2002

Professional Activities
- Senior Member, IEEE
- Member ACM
- Reviewer NSF, various IEEE and ACM Conferences (ISCA, ASPLOS, HPCA, MICRO, PACT)
- Program Committee and Workshop Chair, HPCA

Honors & Awards
- Over 1,700 citations on Google Scholar
- IBM Faculty Award, 2004
- NSF CAREER Award, 2000-2004
- “The Stanford FLASH Multiprocessor” selected as one of best papers in 25 years of ISCA (836 citations)
- Cornell University College of Engineering’s Michael Tien ’72 Excellence in Teaching Award, 2001
- Cornell University IEEE Teacher of the Year, 1999-2000
- NSF Graduate Fellow, 1991-94
- Graduated 1st in class, Duke University, EE/CS, 1991

Haiyan (Nancy) Hu

Assistant Professor
Ph.D., Computer Science; University of Southern California, 2006

Contact
haihu@eecs.ucf.edu
407-882-0134

Research
http://www.cs.ucf.edu/~haihu

- Bioinformatics and Computational Biology
- Integrative Approaches to Identifying Phenotype Specific Pathways and Networks
- Motif Discovery and Regulatory Network Inference
- Gene/Protein Function Prediction
- Large-scale Genomic Data Integration
- Computational Epigenomics
- Data Mining and Machine Learning algorithms

Other Experience
- Research Assistant Professor, Indiana University 2006-2008

Professional Activities
- Guest Editor, Journal on Bioinformatics and Systems Biology
- Editorial Board of The International Journal on Bioinformatics and Biotechnology
- Reviewer for Pattern Recognition, Neural Networks, Genomics, Bioinformatics, and others
- Panelist for The American Association for the Advancement of Science (2012)
- Local Arrangement chair of ACM BCB conference (2012).

Honors and Awards
- NSF CAREER Award
- Research Incentive Award, UCF 2013
Kien A. Hua

Professor
B.S., Computer Science; M.S. & Ph.D., Electrical Engineering
University of Illinois at Urbana-Champaign, 1982, 1984, 1987

Contact
kienhua@cs.ucf.edu
407-823-5342

Research
Co-Director, Data Systems Lab: http://dsg.eecs.ucf.edu/
• Data Management
  • Image and Video Retrieval, Event-based Database
  • Management Systems for Live Multimedia Computing,
  • Sensor and RFID Databases, Moving Object Databases,
  • Cloud Data Management
• Data Analysis
  • Multidimensional Data Analysis, Medical Imaging,
  • Intelligent Transportation Systems
• Data Communications
  • Video Communications, Wireless Communications,
  • Vehicular Networks
• Data Security and Privacy
  • Security in ad hoc networks, Privacy in Video Surveillance,
  • Location-based Services, Mobile Computing

Other Experience
• Advisory Engineer and Lead Architect of a Parallel
  Computer Project, IBM Mid-Hudson Laboratories

Professional Activities
• Associate Editor, Journal of Multimedia Tools and
  Applications, and International Journal of Advanced
  Information Technologies.
• Conference Chair, Track Chair, Program Vice Chair,
  Technical Program Committee Member of numerous IEEE
  and ACM Conferences
• 240 refereed publications

Honors & Awards
• IEEE Fellow
• One of ten most cited researchers at UCF
• 11 Top/Best Paper Recognitions at international
  conferences and a journal
• Best Presenter Awards at two international conferences
• UCF College of Engineering & Computer Science
  Distinguished Lecturer
• UCF Teaching Incentive Awards (three times)
• UCF Research Incentive Award

Charles E. Hughes

Professor
Secondary Appointment: Professor, Digital Media; Affiliate faculty,
IST
Ph.D., Computer Science; Penn State University, 1970

Contact
ceh@cs.ucf.edu
407-823-2762

Research
Co-Director, Synthetic Reality Lab: http://sreal.ucf.edu
Affiliate, Graphics Lab: http://graphics.cs.ucf.edu
Affiliate, Computational Imaging Lab: http://cil.cs.ucf.edu
• Mixed and Virtual Reality
  • Human surrogacy
  • Real-time chroma-keying in noisy environments
  • Real-Time Material Design
  • Digital heritage in the delivery of STEM content
• Human-Computer Interaction
  • Human surrogates (virtual and physical avatars)
  • Multi-touch interfaces

Other Experience
• Professor, Computer Science, Univ. of Tenn., 1974-80
• Assistant Professor, Comp. Sci., Penn State, 1972-74
• NRC Postdoctoral Research Associate, 1971-72

Professional Activities
• Entertainment Computing, Associate Editor, 2011-
• Journal of Cybertherapy and Rehab Editorial Board
• IEEE VR 2012/2013 Program Committee
• IEEE VR 2013, co-chair, Research Demos
• HCII Program Committee, 2008-
• ISMAR 2009 Tutorial Chair; Program Committee, 2009-
• Eurographics 2008 Short Papers Program Committee.
• Over 200 refereed publications.
• PI/co-PI on $3.8M in active grants; over $1.1M in credit.

Honors & Awards
• 2013 NTSA Governor’s Award for Excellence in Modeling and
  Simulation
• 2013 Dean’s Research Professorship Award
• 2012 UCF Fellow of the Academy for Teaching, Learning and
  Leadership
• Senior Member, IEEE & ACM
• Pegasus Professor, UCF 2007
• Undergraduate Teacher of the Year, UCF 2001
• Excellence in Undergraduate Teaching, UCF 2001, 1992
• Research Incentive Award, UCF 2013, 2007, 1996
• Teaching Incentive Award, UCF 2009, 2002, 1995
Sumit Kumar Jha

Assistant Professor
Charles N. Millican Faculty Fellow
Ph.D., Computer Science; Carnegie Mellon University, 2010
MS, Computer Science, Carnegie Mellon University, 2009
B.Tech. (Honors), Computer Science and Engineering, IIT Kharagpur, 2004
Certificate in Quantitative Finance (CQF), 2012

Contact
jha@eecs.ucf.edu
407-882-2215

Research
http://www.eecs.ucf.edu/~jha

- Stochastic and Hybrid Systems
- Randomized and Parallel Algorithms
- Computational Modeling and Validation
- Computational Systems Biology
- Computational Finance

Professional Activities
- Program Committee, IEEE International Conference on Computational Advances in Bio and Medical Sciences (ICCABS), 2013
- Program Committee, IEEE International Conference on Computational Advances in Bio and Medical Sciences (ICCABS), 2012
- Program Committee, ACM Conference on Bioinformatics, Computational Biology and Biomedicine (ACM BCB), 2012
- Local Arrangements Chair, IEEE Conference on Computational Advances in Bio and Medical Sciences, 2011
- Program Committee, Constraints in Formal Verification, 2011
- Member, Alpha Quant Club, 2010-2011
- Invited Speaker, BioPathways Workshop, International Conference on Systems and Molecular Biology, 2010

Honors and Awards
- IEEE ICCABS Best Paper Award, 2010
- Carnegie Mellon Fellowship, 2004-2010
- Travel Award for paper accepted at Computational Methods in Systems Biology (CMSB), 2008
- ACM Travel Award for paper accepted at Conference on Hybrid Systems Computation and Control (HSCC), 2006

Sheau-Dong Lang

Associate Professor
Ph.D., Mathematics; Pennsylvania State University, 1979
MS, Computer Science; Pennsylvania State University, 1981

Contact
lang@eecs.ucf.edu
407-823-2474

Research
http://www.cs.ucf.edu/csdept/faculty/lang

- Analysis of Algorithms
- Informational Storage and Retrieval
- Knowledge-Based Simulation
- Digital Forensics
- Network Security

Other Experience
- Information Technology Undergraduate Program Director, 2003 – 06
- Graduate Program Coordinator, Graduate Certificate in Computer Forensics, 2001 – present
- Graduate Program Coordinator, Master of Science in Digital Forensics, 2008 – present

Professional Activities
- Workshop Co-Chair, IEEE Workshop on Cybercrime and Computer Forensics, 2008, 2009
- External Program Reviewer, Computer Science program, The University of the West Indies, St. Augustine and Cave Hill campuses, 2007
- Volunteer, Computer Crimes Squad, Orange County Sheriff’s Office, 2006 – present

Honors & Awards
- Orange County Sheriff’s Citation for outstanding services, 2005
- Outstanding Engineer Award, Computer Chapter, IEEE Orlando Section, 1998
- Teaching Incentive Program Award, College of Arts & Sciences, UCF, 1995-96
Joseph J. LaViola Jr.

CAE Link Professor and Associate Professor
Ph.D., Computer Science; Brown University, 2005
Sc.M., Applied Mathematics; Brown University, 2001

Contact
jjl@eecs.ucf.edu
407-882-2285

Research
Director, Interactive Systems and User Experience Research Cluster of Excellence: http://www.eecs.ucf.edu/isuerce

- Pen and touch-based user interfaces
- 3D user interfaces
- Usability analysis

Other Experience
- Adjunct Associate Professor of Research, Brown University, 2006-Present
- Founder, Fluidity Software, Inc., Somerville, MA, 2006-Present
- Founder, J JL Interface Consultants, Inc., Oviedo, FL, 2000-Present

Professional Activities
- Senior Member, ACM, IEEE Computer Society
- Program Chair, IEEE Virtual Reality 2013

Honors & Awards
- UCF Scholarship of Teaching and Learning Award, 2013
- UCF Research Incentive Award, 2012
- NSF CAREER Award, 2009

Research Grants

Selected Publications

Gary T. Leavens

Professor and Chair, CS Division
PhD, Electrical Engineering & Computer Science; Massachusetts Institute of Technology, 1989

Contact
leavens@eecs.ucf.edu
407-823-4758

Research
http://www.eecs.ucf.edu/~leavens

- Formal Methods in Software Engineering
  - Specification of OO software components
  - Design of JML (see www.jmlspecs.org).
  - Theory of behavioral subtyping and specification inheritance.
- Programming Languages
  - Design and semantics of aspect-oriented programming languages.
  - Theory and design of multiple dispatch languages, including MultiJava (see www.multijava.org).

Other Experience
- Professor, Iowa State University 1989-2007
- Member of Technical Staff, Bell Labs, 1977-84

Professional Activities
- Acting chair of IFIP Working Group 1.9/2.15 (Verified Software)
- General Chair, SPLASH 2012 conference
- Steering Committee member, SPLASH conference
- Program Co-chair, VSTTE 2010 conference
- Research Program Chair, OOPSLA 2009 Conference
- Co-editor-in-chief: Transactions on Aspect-Oriented Software Development (Springer), 2011-2013, now on editorial board
- Associate Editor: Journal of Object Technology
- Assistant Editor, Software and Systems Modeling
- Co-organizer of two international workshop series:
  - Foundations of Aspect-Oriented Languages
  - Formal Techniques for Java-Like Languages

Honors & Awards
- Upsilon Pi Epsilon honor society, 2011
- “Memorable Teacher”, College of LAS, Iowa State Univ., 2007
- Senior Member of the ACM, 2007
- Senior Member of the IEEE Computer Society, 2000
- IEEE Distinguished Visitor Program Speaker 2003-2005
Dan C. Marinescu

Professor
Ph.D., Electrical Engineering and Computer Science;
Polytechnic Institute, Bucharest, 1975

Contact
dcm@eecs.ucf.edu
407-823-4860

Research
Scientific Director, I^2 Lab:  http://i2lab.ucf.edu

- Scheduling
- Workflow Management and Grid Computing
- Parallel Algorithms and Performance Evaluation of Parallel
  and Distributed Systems
- Quantum Computing and Quantum Information Theory
- Computer Clouds

Other Experience
- Professor of Computer Science at Purdue University from 1984-
  2001
- Associate Professor of EECS, Polytechnic Institute
- Senior Researcher, Institute for Atomic Physics of the Romanian
  Academy of Science.
- Adjunct Professor, Tsinghua University, Beijing
- Visiting Faculty at:
  - IBM Research in Yorktown Heights, New York, 1985
  - Intel in Portland, Oregon, 1993
  - Deutsche Telecom in Bonn, 1996
  - Multi-Media Systems in Dresden, Germany
  - Institute for Information Sciences, Beijing, P.R. China,
    1992
  - GSI, Darmstadt, Germany
  - UTFSAM Valparaiso, Chile

Honors & Awards
- Author of “Approaching Quantum Computing” which was co-
  authored with Gabriela M. Marinescu and was awarded the prize
  of the Romanian Academy of Science for Informatics in 2004.
- Ernest T.S. Walton Award, Science Foundation of Ireland, 2007
- Fulbright Expert

Ali Orooji

Associate Professor and
Undergraduate Program Coordinator
Ph.D., Computer and Information Science;
The Ohio State University, 1984

Contact
orooji@eecs.ucf.edu
407-823-5660

Research
http://www.cs.ucf.edu/csdept/faculty/orooji.html

- Database Systems
- Software Engineering

Other Experience
- CS/IT Undergraduate Coordinator and Undergraduate
  Committee Co-Chair, School of EECS, 2006 – Present.
- Computer Programming Team Faculty Advisor, 1989 – present.
- Local chapter of UPE Faculty Advisor, 1991 – present.

Professional Activities
- Director of North America, ACM International Collegiate
  Programming Contest (ICPC), 1998 – present.
- ACM-ICPC International Steering and Executive Committee
  Member, 1998 – present.
- Int’l UPE Executive Council Member, 2000 – present.
- C++ Test Council Member, Institute for Certification of

Honors & Awards
- Teaching Incentive Program Award, College of Arts &
- Outstanding Engineer Award, Computer Chapter, IEEE Orlando
  Section, 1995.
- Excellence in Undergraduate Teaching Award, College of Arts
- Presidential Award for Special Merit (for Exceptional
- ACM-ICPC Measures Distinguished Service Award, Selected
  2008; Award of Excellence, March 2008; and Distinguished
  Service Award, 2000.
- ACM-ICPC Award, Southeast Regional
- ACM-ICPC Award, World Contest Finals
Sumanta Pattanaik

Associate Professor
Ph.D., Computer Science;
Birla Institute of Technology and Science, Pilani, India, 1993

Contact
sumant@cs.ucf.edu
407-823-2638

Research
Computer Graphics Lab: http://graphics.eecs.ucf.edu/
- Real-time Realistic Rendering, Material Modeling
- Nature Rendering
- Interactive Global Illumination
- High Dynamic Range Imaging & Display

Other Experience
- Visiting Faculty, Computer Science Department, Yale University, Fall 2008; and Computer Science Department, University of Girona, Spain, Spring and Summer 2009.
- Research Associate, Program of Computer Graphics, Cornell University, 1995-2001
- Senior Staff Scientist, National Center for Software Technology (NCST), Bombay, India, 1985-95
- Scientific Officer, Bhabha Atomic Research Center (BARC), Bombay, India, 1980-85

Professional Activities

Honors & Awards
- UCF TIP Award, 2011.

Active Grants
- NSF Grant- 2011-2014: A Unified Approach to Material Appearance Modeling
- DoD STTR Phase 2: 2011-2013, Innovative Application of Urban ISR Imagery for High Fidelity Training Devices

Recent Book

Mubarak A. Shah

Agere Chair Professor
2nd Joint Appointment in College of Optics and Photonics
2nd Joint Appointment in Department of Mathematics
Ph.D., Computer Science; Wayne State University, 1986

Contact
shah@eecs.ucf.edu
407-823-5077
Assistant: Cherry Place 407-823-6595

Research
Center for Research in Computer Vision: http://crcv.ucf.edu/
- Video Surveillance and Monitoring
  - Visual Tracking
  - Scene and Object Recognition
  - Human Activity Recognition
  - UAV Video Analysis
- Video Registration
- Video Categorization and Segmentation
- 3D reconstruction
- Content-based Video Retrieval

Professional Activities
- Editor-in-Chief, Machine Vision & Applications, Springer
- Associate Editor ACM Computing Surveys
- Program Co-Chair, IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2008

Honors & Awards
- 2012 University Excellence in Research Award
- 2011 CECS Advisory Board Award for Faculty Excellence
- Scholarship of Teaching and Learning Award, 2011
- Fellow, IEEE (2003), AAAS (200), IAPR (2008), SPIE, 2008
- UCF Distinguished Researcher Award, 2007
- SANA Award, 2007
- Pegasus Professor Award, 2006
- UCF Research Incentive Award, 2003, 2009
- ACM Distinguished Speaker (DSP), 2008-
- IEEE Distinguished Visitors Program Speaker, 1997-2000
- Engineering Achievement Award, Harris Corp. Information Systems Div., 1999
- Outstanding Engineering Educator, IEEE 1997
- UCF Teaching Incentive Program Award, 1996, 2003
Kenneth O. Stanley
Associate Professor
Ph.D., Computer Science; University of Texas at Austin, 2004

Contact
kstanley@eecs.ucf.edu
407-823-4289

Research
Homepage: http://www.cs.ucf.edu/~kstanley/
Evolutionary Complexity Group: http://eplex.cs.ucf.edu/

- Inventor, NeuroEvolution of Augmenting Topologies (NEAT), HyperNEAT, and Novelty Search Algorithms
- Artificial Intelligence (AI) and Machine Learning (ML)
- Evolutionary Computation
- Artificial Neural Networks (ANNs)
- Neuroevolution: Evolving ANNs with Evolutionary Algorithms
- Generative and Developmental Systems
- AI and ML in Video Games and Real-time Simulations

Professional Activities
- Executive Committee of the ACM Special Interest Group on Genetic and Evolutionary Computation (ACM SIGEVO), since 2011
- Editorial Board of Evolutionary Computation Journal, since 2010
- Associate Editor of IEEE Transactions on Computational Intelligence and AI Games, since 2008
- Founder and Editor in Chief of aigamerresearch.org, a peer-reviewed repository for AI-based research-related games, since 2012.

Honors & Awards
- UCF Reach for the Stars Award, 2014
- UCF CECS Dean’s Research Professorship Award, 2013
- UCF Research Incentive Award (RIA), 2012
- ACM Distinguished Speaker, named September 2011
- UCF Teaching Incentive Program (TIP) Award, 2011
- 2008 DARPA Computer Science Study Group (CSSG)
- Outstanding Graduate Teaching Award (School of EECS), 2008
- Finalist, 2010 Indie Game Challenge (12 of 250 independent games were chosen)

Gita R. Sukthankar
Associate Professor
Ph.D., Robotics; Carnegie Mellon University, 2007

Contact
gitars@eecs.ucf.edu
407-823-4305

Research
http://www.eecs.ucf.edu/~gitars /
http://ial.eecs.ucf.edu/

- Multi-agent systems
- Machine learning
- Activity/plan recognition for:
  - Games and simulation systems
  - Assistive technologies
  - Human-robot interaction
- Social-computational systems

Other Experience
- HP Labs - Cambridge Research Laboratory
  Member of Research Staff, 2000–2003

Professional Activities
- Co-chair AAAI Symposium Series (2012-onward)
- General chair, AAAI Conference on AI and Interactive Digital Entertainment (2013)
- Program chair, AAAI Conference on AI and Interactive Digital Entertainment (2012)
- Organizing Committee, AAAI Workshop on Plan, Activity, and Intent Recognition (PAIR 2009-2013)
- Lead editor on Plan, Activity, and Intent Recognition: Theory and Practice (published by Morgan Kaufmann)

Honors & Awards
- CECS Dean's Research Professorship Award (2013)
- UCF Research Incentive Award (2013)
- UCF Faculty Excellence for Doctoral Mentoring (Engineering and Sciences) (2012)
- ACM and IEEE Senior Member
- CECS Distinguished Researcher (asst. professor), 2010
- Charles N. Millican Faculty Fellow (2010, 2012)
- DARPA Computer Science Study Group, (2009)
- NSF CAREER (2009)
- Air Force Young Investigator Program (2009)
- ONR Summer Faculty Fellow (2008)
Damla Turgut
Associate Professor
Ph.D.; University of Texas at Arlington, 2002

Contact
turgut@eecs.ucf.edu
407-823-6171

Research
http://www.eecs.ucf.edu/~turgut/
- **Wireless networks**
  - Modeling and enhancing the stealth level in intruder tracking sensor networks
  - Sensor networks with mobile sinks
  - Underwater sensor networks
  - Ad hoc and vehicular networks
  - Cognitive radio networks
- **Autonomous Agents**
  - Wireless communication and coordination in embodied agents
  - Agent teamwork

Other Experience
- Visiting Researcher: University of Rome – La Sapienza, Italy (2012); Imperial College, London, UK (2011)
- Faculty Associate, CAESAR, UT Arlington, ‘97–’98.

Professional Activities
- Panel Reviewer: NSF, European Young Investigator Award Scheme (EURYI), Research Grant Council (RGC) of Hong Kong, Department of Energy Office of Science Graduate Fellowship (DOE SCGF) Program (CS)
- Associate Editor: IEEE TPDS, Ad Hoc Networks
- General Chair: IEEE LCN
- TPC Chair/Co-Chair: IEEE CCNC, GlobeCom, LCN, PerSeNS, N2Women
- TPC Member: IEEE INFOCOM, SECON, ICC

Honors & Awards
- Best paper award, IEEE ICC 2013
- 2011 College Excellence in Professional Service Award
- UCF Teaching Incentive Program (TIP) Award, 2010
- Research funding from NSF (IIS, UCF-STEP), US Army PEO STRI through JTIEC, and UCF In-House.
- Outstanding Research Award, UT Arlington, 2002
- Excellence in Teaching Award, UT Arlington, 2002
- Upsilon Pi Epsilon Honor Society, 1999

Gregory F. Welch
Professor and Florida Hospital Endowed Chair in Healthcare Simulation
Primary Appointment: Professor, College of Nursing
Secondary Appointment: Institute for Simulation & Training
Adjunct Appointment: UNC Chapel Hill, Computer Science

Ph.D., Computer Science; UNC Chapel Hill, 1996

Contact
welch@ucf.edu
407-796-2823

Research
Co-Director, Synthetic Reality Lab: http://sreal.ucf.edu
- **Virtual and Augmented/Mixed Reality**
  - Human motion tracking/capture systems
  - Displays (head-worn, fixed, projector-based, etc.)
  - Systems
- **Human-Computer Interaction**
  - Human surrogates (virtual and physical avatars)
  - Interactive projector-based graphics
- **Stochastic estimation (Kalman filters, etc.)**
- **Computer vision**

Other Experience
- Research Professor (Associate, Assistant), Computer Science, UNC Chapel Hill, 1996–2012
- NASA Jet Propulsion Laboratory, 1987–1990

Professional Activities
- Presence: Teleoperators and Virtual Environments, Associate Editor
- Journal of Virtual Reality, Editorial Board
- Frontiers in Virtual Environments, Editorial Board
- IEEE VR 2013 Co-General Chair
- ISMAR 2012 Co-General Chair
- Reviewer for various journals and conferences
- Over 100 refereed publications, 5 patents, several pending
- Internationally-recognized “Kalman filter” web site

Honors & Awards
- IEEE Outstanding Performance, Co-Chair, VR 2013
- 1995 “An Introduction to the Kalman Filter” cited over 4,700 times according to Google Scholar
- Member, IEEE Computer Society & ACM
- Excellence in Teaching award, UNC-Chapel Hill, 2007
- Outstanding Senior Project, Purdue University, 1986
Pawel Wocjan

Associate Professor
Ph.D., Karlsruhe Institute of Technology, 2003

Contact
wocjan@eecs.ucf.edu
407-823-2844

Research
Interdisciplinary Research in Quantum Computing and Quantum Information Science; Design and Analysis of Algorithms
http://www.eecs.ucf.edu/~wocjan

• Classical and Quantum Algorithms
• Quantum Information Theory
• Mathematical Cryptography
• Algorithmic Number Theory and Algebraic Geometry
• Complexity Theory

Other Experience
• Postdoctoral Scholar in Computer Science, Institute for Quantum Information, California Institute of Technology, 2004-2006
• Research Assistant, Department of Computer Science, University of Karlsruhe, Germany, 1999-2004

Professional Activities
• Reviewer for National Science Foundation
• Panelist for National Science Foundation
• Reviewer for Journals on Quantum Computing and Quantum Information Theory

Honors & Awards
• National Science Foundation CAREER Award for “Algebraic Approach to the Design of Novel Quantum Algorithms” in 2008
• UCF Research Incentive Award in 2011

Annie S. Wu

Associate Professor
Ph.D., Computer Science and Engineering; University of Michigan, 1995

Contact
aswu@eecs.ucf.edu
407-823-5922

Research
http://www.eecs.ucf.edu/~aswu

• Genetic Algorithms
• Evolutionary Computation
• Complex Adaptive Systems
• Multi-agent Systems

Professional Activities
• Editorial Board Member, Evolutionary Computation Journal
• Editorial Board Member, Journal of Genetic Programming and Evolvable Machines
• Program Co-Chair, Foundations of Genetic Algorithms X, January 2009
• Publicity Chair, 2008 Genetic and Evolutionary Computation Conference

Honors & Awards
• National Research Council Research Associateship Award
Shaojie Zhang
Assistant Professor
Ph.D., Computer Science;
University of California, San Diego, 2007
Contact
shzhang@eecs.ucf.edu
407-823-6095
Research
Computational Biology and Bioinformatics Group
http://www.eecs.ucf.edu/~shzhang
• Computational Biology
  • Computational Genomics
  • Computational RNA
  • Computational transcriptomics
  • Computational Epigenetics
  • Biological Sequence Analysis
• Combinatorial Algorithms
• Approximation Algorithms
Professional Activities
• Organizing Committee Member, RECOMB Satellite Conferences on Systems Biology and Computational Proteomics (2006)
• Associate Editor, Frontiers in Bioinformatics and Computational Biology
• Review Editor, Frontiers in Non-Coding RNA
• Reviewer for Israel National Foundation, Austrian Science Fund, and Fonds de recherche du Québec – Nature et technologies
Honors & Awards
• Best Paper Award, IEEE ICCABS 2012
• J. Craig Venter Institute Summer Fellowship, 2006
• California Institute for Telecommunications and Information Technology (CalIT2) Fellowship, 2001

Cliff C. Zou
Associate Professor
Ph.D., Electrical & Computer Engineering;
University of Massachusetts-Amherst, 2005
Contact
czou@cs.ucf.edu
407-823-5015
Research
Professional Activities
• Editorial Board Member: IJAHUC, SCN
• Local Arrangement chair: ANCS (2007), ICNP (2008), Ubicomp (2009), Multimedia (2014)
• Program Committee Member for dozens of conferences
• Senior Member: IEEE
Honors & Awards
• Publications have more than 3700 citations according to Google Scholar Citation.
• Best Student Paper Award in conference ACSAC 2007.
• Undergraduate research project "Personal Medication Monitor” won the first price in the first annual UCF Inventing Entrepreneurs Innovation Competition (reported by UCF News).
• Paper "Honeypot detection in advanced botnet attacks" published in IJICS (2010) was reported by EurekAlert! News Service and The Register, respectively.
• Rootkit work (paper published in Securecomm'08) was reported by PCWorld (05/09/2008).
• Research published in NDSS'06 reported by “New Scientist Magazine”, Mar. 4, 2006 189(2541), pg. 32.
• Best Paper Award runner-up in PADS 2005.
• Best Paper Award runner-up in ICCCN 2004.
• Interviewed by National Public Radio (NPR) on our Internet worm research, September 2003.