**Research and Teaching Collaborators**

Ravi Shankar, PhD, MBA, PE, Fellow (AHA)

Professor, Computer and Electrical Engineering and Computer Science (CEECS)

Director, Center for Systems Integration (CSI)

Florida Atlantic University (FAU), Boca Raton, FL

Focus: Complex systems and architectures; open source tools and technologies; productivity; and applications of mobile phones, robotics, and semantic web to the fields of education and health.

<http://faculty.eng.fau.edu/shankar/>

[shankar@fau.edu](mailto:shankar@fau.edu)

**Professors from various colleges and universities in our current multi-college collaborations on App development with smart phones, robotics and the semantic web (2009-present):**

Francis X McAfee, MFA

Associate Professor

School of Communications and Multimedia (SCMS)

Associate Director, Ctr. for Electronic Communications (pre 2007)

College of Arts and Letters, FAU, Ft Lauderdale, FL

Focus: Graphics and Animation

[mcafee@fau.edu](mailto:mcafee@fau.edu)

Michael Harris, PhD

Associate Professor and Chair

Department of Anthropology

College of Arts and Letters

FAU, Boca Raton, FL

[mharris@fau.edu](mailto:mharris@fau.edu)

Ravi Behara, PhD

Associate Professor

Department of Information Technology and Operations Management (ITOM)

College of Business

FAU, Boca Raton, FL

Focus: Text mining in customer feedback, and healthy aging.

[rbehara@fau.edu](mailto:rbehara@fau.edu)



Diana Mitsova-Boneva, PhD

Assistant Professor,

School of Urban and Regional Planning

FAU, Ft. Lauderdale, FL

Focus: Urban planning with sea water rise

<http://www.fau.edu/surp/people/>

[dmitsova@fau.edu](mailto:dmitsova@fau.edu)

Miguel Alonso, PhD,

Associate Professor and Chair

Electrical and Computer Engineering

Miami Dade College, Miami, FL

Focus: Digital Signal Processing and Minority Education

Steve Hecht, PhD,

Program Professor,

Fischler School of Education

Nova Southeastern University, Miami, FL

Focus: Research strategies for learning and teaching effectiveness

Agnes Nemeth, Math Instructor,

A.D. Henderson University School/FAU High School

Focus: Common core standards for math education

<https://sites.google.com/site/fausmath/>

[anemeth4@fau.edu](mailto:anemeth4@fau.edu)

Allan Phipps,

District Science Coordinator, A.D. Henderson University School/FAU High School

Focus: Excellence in science and math

[aphipps@fau.edu](mailto:aphipps@fau.edu)

Don Ploger, PhD

Associate Professor, Teaching and Learning

Focus: Assessment and research strategies for learning and teaching effectiveness

<http://www.coe.fau.edu/faculty/ploger/>

[ploger@fau.edu](mailto:ploger@fau.edu)

**Graduate Students from Engineering and Graphics (2009 - Present):**

Thomas Vo, MS candidate in CE

Focus: Semantic web and ontology in games

Cynthia Gutierrez, MFA candidate

Focus: Animation and graphics in child nutrition

Steve Wang, MFA candidate

Focus: Data visualization for Big Data.

Miguel Oubina Alvarez, MFA candidate

Focus: Animation for physical therapy and exercise

Frank Wissinger, PhD Candidate in CE

Focus: Hierarchical hydrological model

Sifat Islam, PhD candidate in CE

Focus: Semantic web for chronic disease management

**Industry Collaborators (2009 - Present):**

Jaime Borras,

President, Mobile Technology Consortium (MTC)

<http://mtc.fau.edu/>

Dean Lyon

CEO, Splinter Studios

<http://www.splinterstudios.org/>

Norman Silva

Digital Artist and President

Silva Animation Studio, Inc.

Glenn Freytag

President, Global RNA Inc.,

Focus: Health and education web tools

[www.globalrna.com](http://www.globalrna.com)

William and John Ottman

Focus: Open source video archive

<http://Minds.org/>

**Collaborators on the One Pass to Production (OPP) project with Motorola (2003-2008).**

Valentine Aalo, Ph.D.,

Professor, CEECS,

FAU, Boca Raton, FL

Focus: RF and Digital Communications

[aalo@fau.edu](mailto:aalo@fau.edu)

Ankur Agarwal, Ph.D.,

Associate Professor, CEECS,

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Focus: Network on Chip, Computer Architecture

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Ionut Cardei, PhD

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Focus: Sensor and Wireless Networks

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Borko Furht, PhD

Professor and Chairman, CEECS

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Focus: Multimedia

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Shihong Huang, PhD  
Associate Professor, CEECS

FAU, Boca Raton, FL  
Focus: Software Productivity

<http://www.cse.fau.edu/~shihong/index.html>

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Hari Kalva, PhD

Associate Professor, CEECS

FAU, Boca Raton, FL

Focus: Multimedia and image processing and architectures

[Hari.kalva@fau.edu](mailto:Hari.kalva@fau.edu)

Imad Mahgoub, PhD

Professor, CEECS

FAU, Boca Raton, FL

Focus: Performance Evaluation

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| **Non-Academic Collaborators for OPP** | |
| http://www.csi.fau.edu:8090/images/people/ray_barrett.jpg | **Dr. Ray Barrett Jr.** Ray Barrett has a PhD from the Electrical Engineering Department, Florida Atlantic University, an MS In CS from Nova University, and is a registered PE in the State of Florida. He has more than 40 years of industrial experience, having worked at Motorola Labs, Boynton Beach and Plantation, FL, as a Senior R&D engineer. He has more than 10 US patents. Email: [Rlb004@adelphia.net](mailto:Rlb004@adelphia.net) |
| http://www.csi.fau.edu:8090/images/people/camilo_cruz.jpg | **Camilo Cruz** Camilo graduated with his Bachelor's degree in Electrical Engineering in May '06. Interest/experience: Robotics, Al, Graphics and visual recognition, PC game development, Manufacturing, systems/materials-composites, and Web development. |
| http://www.csi.fau.edu:8090/images/people/cyril_iskander.jpg | **Dr. Cyril Iskander** Cyril Iskander was an Assistant Professor in FAU's Electrical Engineering Dept. from 2003-2006. He is currently with The MathWork's Signal Processing and Communications Group. His research interests lie with Networks On Chip, Software Radio, Channel Modeling and Simulation, Performance Evaluation of Communication Systems, and Wireless Multimedia. Email: [Iskander@fau.edu](mailto:Iskander@fau.edu) |  |
| http://www.csi.fau.edu:8090/images/people/ankit_jain.jpg | **Ankit Jain** Ankit has received his Master of Science degree in Computer Science in May '06. His thesis focus was "Software Decomposition for Multicore Architectures'. He has also actively researched in Specification Productivity and Component Design Field. He holds SCJP2, CCNA 2.0, A+ certifications. He has worked for Siemens ICN and has been a part of Motorola iDEN division since Jan' 03. Language Experience: C, C++, Java, TTCN, TSL, SQl, PL/SQL, VBS, JavaScript. Research Interests: Networks on Chip, Software Engineering, Concurrency Modeling, Component Flow Design, Reverse Engineering, and Software Decomposition. |  |
| http://www.csi.fau.edu:8090/images/people/baldev_mattu.jpg | **Baldev Singh Mattu** Baldev has over 22 years of work experience in Telecommunication industry of which the last seventeen years were at Siemens Communication Systems in Boca Raton, FL. Baldev is currently working on the Verification aspects of the OPP Project. |  |
| http://www.csi.fau.edu:8090/images/people/vanitha_selvan.jpg | **Vanitha Selvan** Vanitha Selvan pursues her Master's in Computer Science and Engineering at Florida Atlantic University , Boca Raton , FL. She has been working as a research assistant on the OPP project funded by Motorola, since January 2003. Her primary research interest includes developing new methodologies to automate the flow from requirements documents down to code generation using UML, SDL and TTCN languages, and reverse engineering. Her present work involves automatic translation of UML 2.0 concurrent models to SystemC along with developing constraints using Object Constraint Language (OCL). |  |