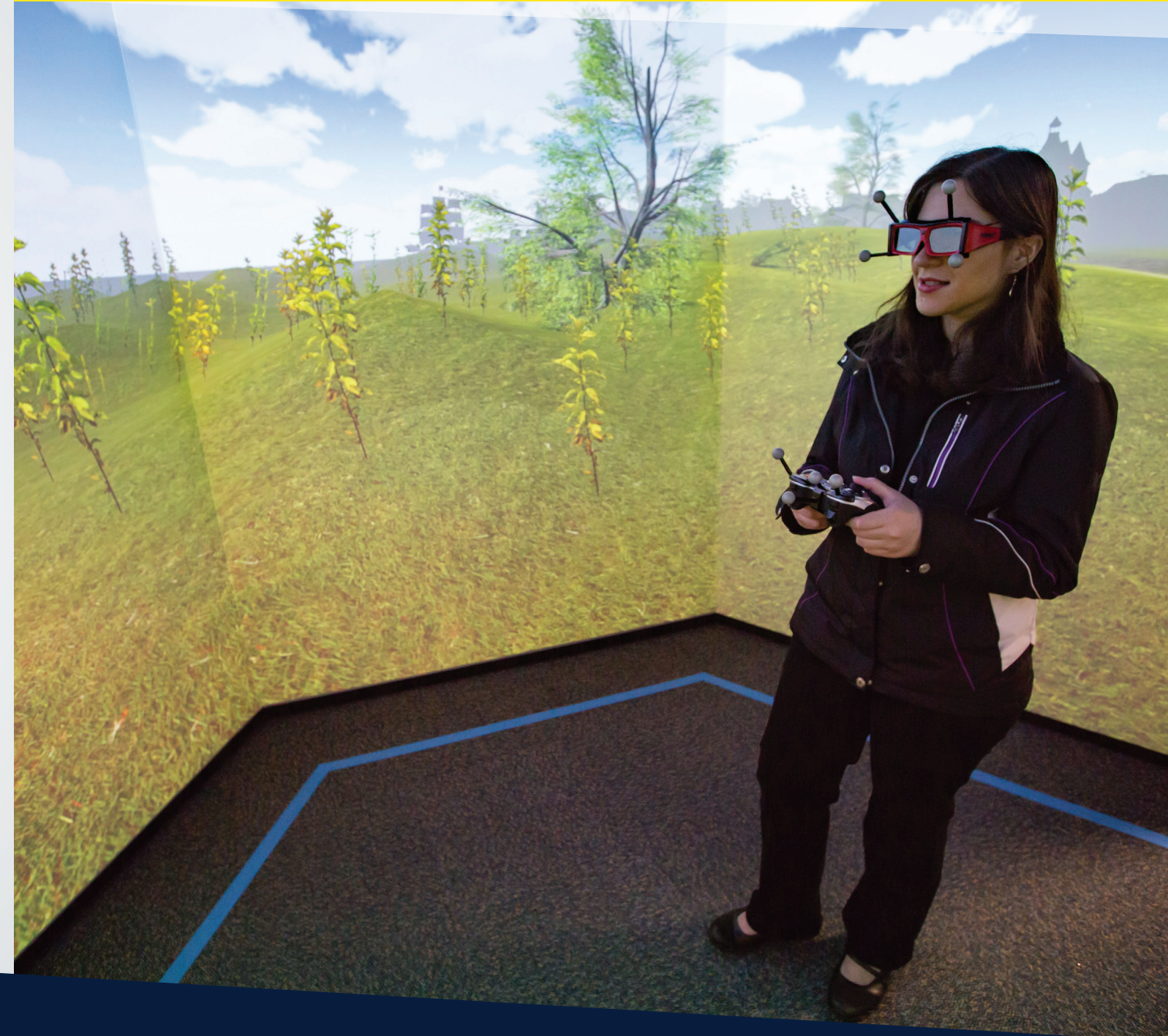


As a member of one of the country's top-tier research universities, the **College of Engineering & Computing (CEC)** is actively engaged in cutting-edge studies and education and is home to top-level research laboratories and facilities. CEC has two schools — Moss School of Construction, Infrastructure and Sustainability; and the School of Computing and Information Sciences — and four departments — Biomedical Engineering, Civil and Environmental Engineering, Electrical and Computer Engineering, and Mechanical and Materials Engineering.

## By the Numbers



**FIU** | Engineering & Computing

engineering.fiu.edu  
Florida International University  
10555 West Flagler Street | Miami, FL 33174



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FIU\_CEC

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Whatsapp: 786-702-0031

**FIU** | Engineering & Computing

# COMPUTING AND INFORMATION SCIENCES



FIU's School of Computing and Information Sciences (SCIS) is a premier institution for education, training, research and technology development in Florida. It is the second largest engineering college-based computer science degree-awarding program in the U.S.

As a part of the College of Engineering & Computing, students enjoy experiential learning opportunities and close interaction with **WorldsAhead** faculty. Through internship opportunities in the industry and hands-on research activities in cutting-edge laboratories, graduates are prepared to hit the ground running in their chosen careers.

RESEARCH

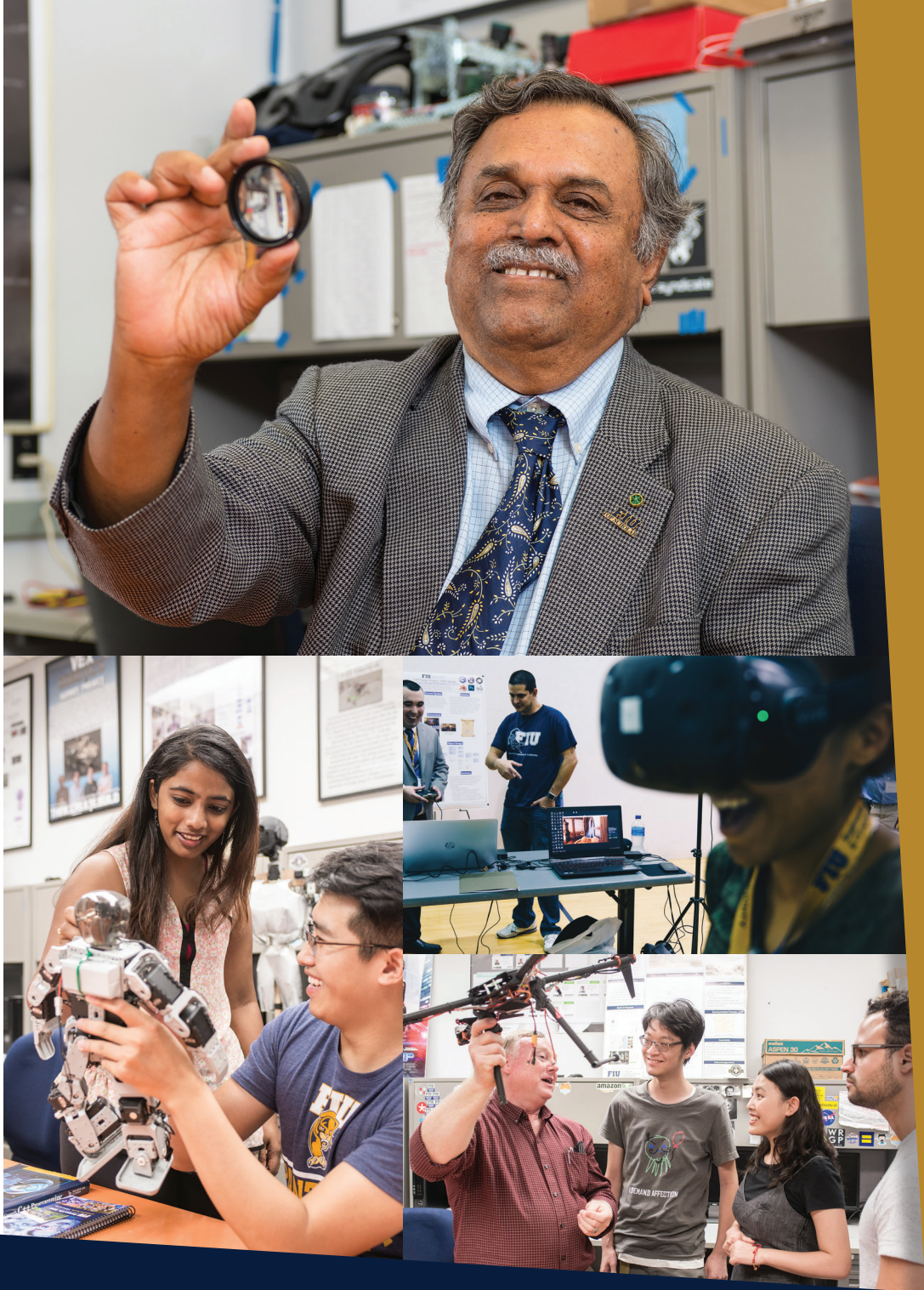
SCIS faculty pursue a diverse collection of research and technology transfer opportunities designed to advance computer science and information technology. SCIS researchers take a multi-disciplinary approach to solving both theoretical and applied computing problems. The school's approach has also grown from traditional computer science themes such as algorithmic analysis and computer language development to one which embraces the integration of computing in fields like computational sciences, bioinformatics, disaster management, GIS as well as cuttingedge technology topics like cloud computing, social networks, cybersecurity, and highly reliable systems.

FACULTY

Our world-renowned faculty members are recognized leaders in research and education. S. S. Iyengar, school director, is a member of the European Academy of Sciences and a fellow of ACM, IEEE, AAAS, AIMBE and NAI. Mark Weiss is a recipient of the IEEE Computer Society Taylor L. Booth Education Award. Weiss is principal investigator of a new \$5 million FIU-led National Science Foundation S-STEM grant award, with partners at University of Central Florida (UCF) and University of South Florida (USF), that provides hundreds of scholarships to students studying computing over the next five years. Shu-Ching Chen is a fellow of the AAAS, IEEE and SIRI and editor-in-chief of IEEE Multimedia magazine. He is a co-principal investigator of a \$5 million NSF Center for Research Excellence in Science and Technology where he focuses on big data analysis of environmental impacts.

PARTNERSHIPS

SCIS partners with institutions and companies worldwide to pursue joint R&D projects, publish scientific findings, and provide student training. We collaborate with prestigious facilities such as IBM Thomas J. Watson Research Center, Lawrence Livermore National Laboratory, Sandia National Laboratories and Oak Ridge National Lab. The school engages leading educational institutions such as: Cornell University, Purdue University, Indian Institute of Science, Tsinghua University, Chinese Academy of Sciences, Federal University of Sao Carlos (UFSCar), University of Campinas (UNICAMP) and Polytechnic University of Poland. The school partners with Facebook, Farelogix, Google, Intel, Microsoft, Verizon, and Ultimate Software to strengthen the pipeline of talent pursuing CS/ IT degrees.



GRADUATE DEGREES OFFERED

- M.S. Data Science
- M.S. Cybersecurity
- M.S. Computer Science
- M.S. Information Technology
- M.S. Telecommunications and Networking
- Ph.D. in Computer Science

COMBINED BACHELOR'S AND MASTER'S DEGREE (4+1) PROGRAM

The combined B.S. & M.S. Degree Program is an accelerated program designed for outstanding undergraduate students currently enrolled in the college who wish to pursue their M.S. degree while completing in the college their B.S. degree.

RESEARCH HIGHLIGHTS

- Big data/cloud computing
- Software engineering
- Bioinformatics and computational biology
- Computer science education research

GRADUATE RESEARCH OPPORTUNITIES

- Intelligent systems, including artificial intelligence, machine learning, neural networks, affective computing, intelligent user interfaces, health informatics, database management systems and formal methods.
- Cybersecurity, trustworthy computing, sensor and computer networks, including network protocols, multimedia networking, robotics and wireless communications

FACILITIES

**Integrated Computer Augmented Virtual Environment (I-CAVE):** An open laboratory dedicated to creating virtual reality experiences for research, creative projects, learning exploration and data visualization

**FIU Discovery Lab:** Designed to mentor and assist student teams engaged in creating innovative solutions to challenging societal problems

POINTS  
OF PRIDE

3 IEEE  
Fellows\*

4 ACM  
Distinguished  
Educators/Scientists\*

5 NSF  
Career Awards\*

\*cis.fiu.edu

Home to cutting-edge research, award-winning faculty, remarkable students and groundbreaking laboratories, SCIS brings together world-class research infrastructure and leading expertise to develop innovative technologies that have wide-ranging impact on academic and scientific ventures.