CARNegie MELLon UNIVERSITY IN SIlicon vALLEy

FOUNDED IN 2002, THE CARNEGIE MELLON UNIVERSITY SILICON VALLEY CAMPUS (CMU-SV) HOUSES A UNIQUE SET OF PROGRAMS AND ACTIVITIES THAT LEVERAGE CARNEGIE MELLON’S WORLD-CLASS TECHNICAL LEADERSHIP THROUGH A HANDS-ON SILICON VALLEY APPROACH TO GRADUATE EDUCATION AND RESEARCH.

**Current Degree Programs**

- M.S. in Software Engineering
- M.S. in Electrical and Computer Engineering
- M.S. in Software Management (full time and part time)
- M.S. in Information Technology Mobility (MSIT-MOB), Information Security (MSIT-IS)
- Ph.D. in Electrical and Computer Engineering
- M.S. in Software Management (full time and part time)
- M.S. in Information Technology Mobility (MSIT-MOB), Information Security (MSIT-IS)
- Ph.D. in Electrical and Computer Engineering

**Campus Vision**

- Extend the brand of Carnegie Mellon to Silicon Valley (CMU-SV)
- Create new opportunities for students and faculty from Pittsburgh in the CMU-SV region
- Offer programs that leverage the CMU-SV ecosystem
- Become a conduit for entrepreneurial activities for students and faculty

**Departments on Campus**

- Electrical and Computer Engineering
- Information Networking Institute
- Integrated Innovation Institute

**Campus Expertise**

- Entrepreneurship
- Information Security & Privacy
- Internet of things
- Mobility
- Product management
- Sensors
- Software engineering

**Fast Facts**

- 400 registered students
- 15 core faculty, 8 researchers
- A number of classes are offered across locations and time zones using novel educational and technological advances.
- VentureBridge program supports development of new ventures from Carnegie Mellon students.
- All degree programs leverage the unique entrepreneurial ecosystem to offer superior education, access to internships and coveted jobs, and opportunities for new startups.
- Part-time program in Software Management allows students with day jobs to pursue their advanced product management degree at night.
- Information Networking Institute programs are bicoastal, where students’ first two semesters are at the Pittsburgh location and the final semester(s) is in Silicon Valley.
- The Software Engineering M.S. degree is being offered through distance learning to students at all College of Engineering locations.
- Software Management alumni in executive management positions are listed as the most powerful women engineers in the world: Business Insider, Top Women to Watch Diversity Journal, Corporate Executive of the Year; Latina Style; and Top 25 Business Executives in Hispanic Business.
- Distinguished Service Professor Bob Iannucci advises American Radio Relay League ham radio operators. Students participate in the annual Field Day event that promotes emergency communications preparedness.
Faculty Accolades

- Sheryl Root was inducted into the Women in Technology Hall of Fame for her outstanding contribution to the field of technology and the empowerment of women.
- A team led by Patrick Tague was one of four winners named at the Cisco Internet of Things (IoT) Security Grand Challenge, announced at Cisco’s IoT World Forum in Chicago.
- Distinguished Service Professor Stuart Evans co-authored the book “Super-Flexibility for Knowledge Enterprises,” which captures the pulse of the Silicon Valley ecosystem.
- Patrick Tague and Pei Zhang are both recipients of the National Science Foundation’s prestigious CAREER Award.
- Tony Wasserman was named Fellow of the Association for Computing Machinery; Life Fellow of the Institute of Electrical and Electronic Engineers; first recipient of the ACM SIGSOFT Distinguished Service Award; and recipient of multiple national educator awards.
- Hakan Erdogmus was named the recipient of 2016 Dean’s Early Career Fellowship Award.

RESEARCH HIGHLIGHTS/BREAKTHROUGH STUDIES

- Carnegie Mellon University Silicon Valley researchers collaborated with scientists from the U.S. Geological Survey, NASA’s Jet Propulsion Laboratory, California Institute of Technology, and the University of Houston in an effort to utilize smartphone data as an early warning system for large earthquakes, particularly in areas that lack expensive conventional systems.
- CMU-SV Senior Scientist Abraham Ishihara found that in the fight to keep solar panels clean, rain can be more of a hindrance than a help in panel performance.
- Pei Zhang is working on a unique and low-cost controlled-mobile aerial sensor networking platform using flocks of miniature helicopters equipped with multiple sensors to assist in emergency situations.
- An ECE grant from the Department of Homeland Security investigated how wireless technology can be improved to generate more informative emergency alerts.

EXCITING PARTNERSHIPS

Emirates Group founded the CMU-Emirates Silicon Valley Innovation Lab, in support of educational activities that connect Emirates Airline and dnata to leading-edge technology and innovation capability from CMU and the larger Silicon Valley ecosystem.

Investment Opportunities

PROGRAMS

- Faculty Research Seed Grants $20,000 - $100,000
- Innovation Incubator Startup Seed Grants $5,000 - $50,000
- Distinguished Lectures $2,000 - $10,000

Endowment Opportunities

- NAMED GRADUATE FELLOWSHIP (FULL) $750,000
- NAMED GRADUATE FELLOWSHIP (PARTIAL) $100,000
- INNOVATION INCUBATOR $50,000 and above
- DIRECTOR’S INNOVATION FUND $50,000 and above

SOCIAL MEDIA

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