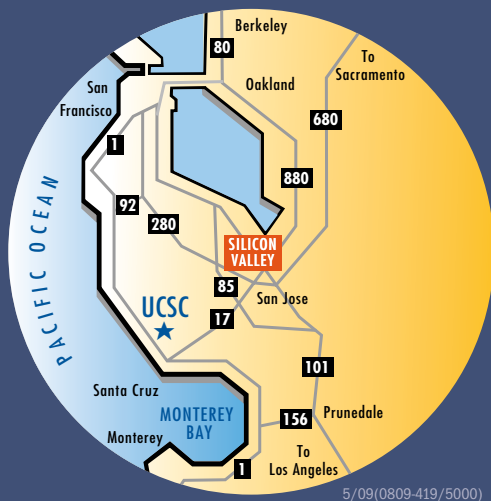


On the Web: www.ce.ucsc.edu

UC Santa Cruz is the University of California campus serving Silicon Valley: The campus is located off Highway 1 on the Central Coast of California 30 miles southwest of San Jose, 75 miles south of San Francisco, and 350 miles north of Los Angeles.



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Department of Computer Engineering
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Santa Cruz, CA 90564

Computer Engineering @ UC SANTA CRUZ



Katia Obraczka:
*Integrating
networks and sensors
to understand
our environment*



The Baskin School of Engineering is dedicated to collaborative, interdisciplinary research and training at the forefront of modern technology. Students and faculty work across traditional boundaries to engage in innovation and discovery.

With 100 faculty members, the Baskin School of Engineering comprises six departments:

- Applied Mathematics & Statistics
- Biomolecular Engineering
- Computer Engineering**
- Computer Science
- Electrical Engineering
- Technology & Information Management (planned)

- 8 undergraduate programs**
- 6 graduate programs**
- 350 graduate students**
- 1,000 undergraduate students**

Department of Computer Engineering

Networks: Wireless networks, high-speed networks, sensor networks, algorithms and protocols for computer communication

A. Brandwajn, J. J. García-Luna-Aceves, K. Obraczka, B. Smith, A. Varma

Robotics and Control: Autonomous vehicles, sensor fusion, biomolecular control, biomedical robotics

C. Bazeghi, R. Curry, W. Dunbar, G. Elkaim, S. Petersen, J. Rosen, D. Wiberg

Computer System Design: CAD of VLSI, computer architecture, VLSI and FPGA design, placement and routing, fault diagnosis

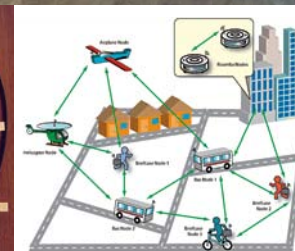
A. Brandwajn, P. Chan, A. Di Blas, F. J. Ferguson, M. Guthaus, R. Hughey, T. Larrabee, D. Pease, J. Renau, M. Schlag

Sensing and Interaction: Computer vision, remote sensing, telemetry, computer-based collaboration, assistive technology, human-computer interaction

S. Kurniawan, R. Manduchi, P. Mantey, J. Rosen, H. Tao



Prof. Obraczka with graduate students (l-r) Heather Taylor, Nikki Benecke, Matt Bromage, Vladislav Petkov, and Bruno Nunes.



Design systems
to monitor the sea, land, and air, to track wildlife and wildfires.

UCSC's Department of Computer Engineering fosters innovative collaborations with biologists, geologists, and public safety to design new sensor networks that help us understand our changing world and preserve the natural environment.

The department offers bachelors, masters, and doctoral programs on the forefront of **wireless ad hoc networks** research, and engages its undergraduate and graduate students in **interdisciplinary system design**.