



DELIVERING "QUALITY CARE EVERYWHERE" FOR CALIFORNIANS

MISSION

California, the U.S. and much of the developed world face a growing healthcare crisis, where unprecedented demands for care will meet increasingly scarce resources. The CITRIS Health Initiative seeks to improve access and reduce disparities and costs in health care developing and integrating technology advances in telehealth, sensors, services and gaming.

ABOUT

The Health Initiative draws on faculty and researchers in clinical medicine, engineering, public health, the humanities and social sciences across the four CITRIS campuses and beyond. HCI actively collaborates with the UC Davis Health System and its faculty and students for clinical expertise and testbeds. It also works directly with the California Telehealth Network, a statewide, trusted "medical grade" network for health care and education.

FEATURED PROJECTS



CALIFORNIA TELEHEALTH NETWORK

The CTN brings high quality telemedicine services and support to over 800 hospitals, clinics and other providers in California. Combines high-quality services, an affordable rate structure and a research "test bed" for innovative services.



SURGICAL ROBOTICS GROUP

A multi-campus, multidisciplinary development project involving: construction of an open-source surgical robotics platform; development of machine learning algorithms to optimize robot task performance and design and evaluation for clinical applications in cardiac surgery.

CONTACT

<http://health.citris-uc.org>

To learn about all of our initiatives, please visit <http://citris-uc.org>

facebook.com/citris | [@citrisnews](https://twitter.com/citrisnews)

Dr. David Lindeman, CITRIS | Director | dlindeman@citris-uc.org

Dr. Jay Han, UCDCM | Medical Director | jay.han@ucdmc.ucdavis.edu

Dr. Thomas Nesbitt, UCDCM | Chief Scientist | thomas.nesbitt@ucdmc.ucdavis.edu



AFFILIATED FACULTY

BERKELEY

Prof. Pieter Abbeel, Electrical Engineering & Computer Sciences
Prof. Ruzena Bajcsy, Computer Science
Prof. Bernard Boser, Electrical Engineering & Computer Sciences
Prof. John Canny, Electrical Engineering &
Prof. Steve Conolly, Bioengineering, Electrical Engineering & Computer Sciences
Prof. Dan Fletcher, Bioengineering
Prof. Inez Fung, Berkeley Institute of the Environment, Earth and Planetary Science
Prof. Ken Goldberg, Industrial Engineering and Operations Research, Data and Democracy Initiative Faculty Director
Prof. Eva Harris, Division of Infectious Diseases and Vaccinology
Prof. Bjoern Hartmann, Computer Science, Berkeley Institute of Design
Prof. James Holston, Anthropology
Prof. Greg Niemeyer, Art Practice, Data and Democracy Initiative Faculty Director
Prof. Kimiko Ryokai, School of Information
Prof. Lee Schruben, Industrial Engineering and Operations Research
Prof. Lydia Sohn, Mechanical Engineering
Prof. Paul Wright, Mechanical Engineering

DAVIS

Prof. Rajeevan Amirtharajah, Electrical and Computer Engineering
Dr. Aaron Bair, UC Davis School of Medicine
Dr. Nicole Baumgarth, UC Davis School of Veterinary Medicine
Dr. Doug Boyd, UC Davis Health System, Department of Surgery
Prof. Madan Dharmar, UC Davis Children's Hospital, Nephrology
Prof. Soheil Ghiasi, Electrical and Computer Engineering
Dr. Randi Hagerman, Medical Director of MIND Institute, Professor and Endowed Chair in Fragile X Research, UC Davis Children's Hospital
Prof. David Horsley, Mechanical and Aerospace Engineering
Dr. Jill G Joseph, The Betty Irene Moore School of Nursing
Dr. James Marcin, Center for Health and Technology, Center for Healthcare Policy and Research, Public Health Sciences, UC Davis Children's Hospital
Prof. Michael Neff, Computer Science, Technocultural Studies
Prof. Tingrui Pan, Biomedical Engineering
Prof. Scott Simon, Biomedical Engineering
Prof. S.J. Ben Yoo, Electrical Engineering

MERCED

Prof. Stefano Carpin, Computer Science
Prof. Qinghua Guo, Engineering
Prof. Marcelo Kallmann, Engineering
Prof. Ashlie Martini, Engineering

SANTA CRUZ

Prof. David Haussler, Center for Biomolecular Science and Engineering
Prof. Sri Kurniawan, Computer Engineering
Prof. Roberto Manduchi, Computer Engineering
Prof. Megan Moodie, Anthropology
Prof. Jacob Rosen, Computer Engineering
Prof. Mircea Teodorescu, Computer Engineering
Prof. Marilyn Walker, Computer Science