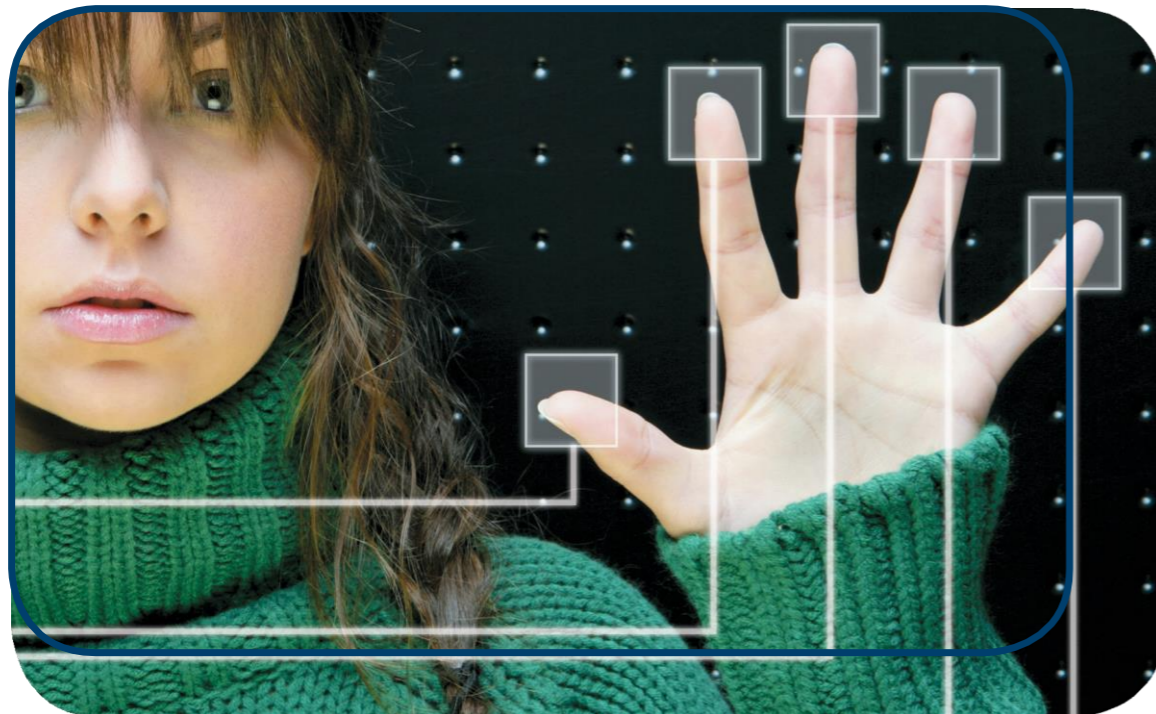


Robotic Exoskeleton for the Stabilization of Tremors (RST) in the Hand and Wrist

In 2016, the Center for Information Technology Research in the Interest of Society (CITRIS) received 54 highly competitive proposals from UC Berkeley, UC Davis, UC Merced and UC Santa Cruz to develop applications to improve health care, energy, and agriculture. Eleven proposals were selected for one year of seed funding, including this proposal by Lin Zhang of UC Davis and Gabriel Hugh Elkaim of UC Santa Cruz.



Current treatment options fail to adequately support the millions of Americans living with Parkinson's disease or Essential Tremor. This collaboration between the UC Davis School of Medicine and UC Santa Cruz College of Engineering proposes a novel solution that achieves hand, wrist, and arm stabilization through a non-intrusive robotic exoskeleton.

Principal Investigators



Lin Zhang
UC Davis



Gabriel Hugh Elkaim
UC Santa Cruz