



## EMERGING TECHNOLOGIES

Robotics

Advanced Prosthetics

Adaptive Driving

Recreational Therapies

Virtual Reality Systems

Medical Devices

## MISSION

Improve the quality of life, and increase independence and community reintegration of individuals with reduced functional capabilities due to aging, disability or traumatic injury, as in the case of our wounded warriors, through integrated research, education and service in assistive and rehabilitation technologies in collaboration with consumers, clinicians, government and industry partners.



# Center for Assistive, Rehabilitation & Robotics Technologies



### Our funding agencies and organizations include the following:

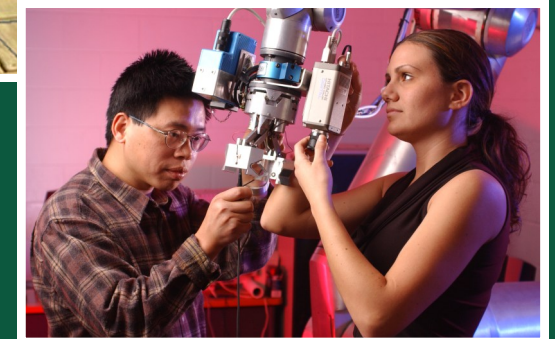
- National Science Foundation (NSF)
- National Institutes of Health (NIH)
- Florida Department of Education
- U.S. Department of Defense
- National Aeronautics and Space Administration (NASA)
- U.S. Department of Veterans Affairs (VA)
- Rehabilitation Services Administration
- Private Industry Partners



### Center for Assistive, Rehabilitation and Robotics Technologies (CARRT)

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# Creating Independence through Technology

Rehabilitation Engineering, Medicine, Arts and Sciences

## RESEARCH

From rehabilitation robotics and prosthetics to recreation and therapy, our research introduces new techniques & scientific knowledge for systems such as brain computer interfaces.



## EDUCATION

Starting with elementary school students through graduate school, we offer various programs to increase awareness and knowledge of the latest assistive technologies. Most experiences involve hands-on training.



## SERVICE

With engineers located around the state, everyday we work with individuals with disabilities to remove barriers at home, in the workplace, during transportation and in the community in cooperation with a network of qualified vendors.



*CARRT facilitates interdisciplinary partnerships and collaborations among faculty members and students from various departments and colleges at USF and with industries, universities, government agencies and hospitals nationally and globally.*

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