

iMove Collaboratory

Prof. David Reinkensmeyer



Projects we are working on in the upcoming year

- Active Arm Rest
 - An innovative arm rest for a manual wheelchair that allows people with hemiparetic stroke to exercise their arm to improve recovery (Dr. Comellas)
- Wearable sensing for movement learning
 - Dance (Dr. Sharp), Parkinson's Disease (Dr. Hermanowicz), Stroke (Dr. Do)
- Autonomous Ground Vehicle
 - A senior-design project to build an autonomous vehicle to compete in a national competitions (Dr. Copp)
- Mini-Cyathlon: Brain-Computer Interface Race
 - Graduate research + Senior Design (Dr. Nenadic, Dr. Do)

Possible areas of collaboration with other groups

- User-interface design for embedded medical devices
- Machine learning
- Medical rehabilitation and dance applications of wearable sensing

