Grants & Awards 2014-2015 **Department Total: $2,408,256**

Cai, Wenjun
Amount: $106,992
Co-PI:
National Science Foundation
CAREER: Effects of Alloy Concentration on the Tribocorrosion Resistance of Al-TM Supersaturated Solid Solutions

Amount: $5,000
Co-PI:
CONMED Corporation
Enhancing Corrosion Resistance

Carey, Stephanie
Amount: $21,125
Co-PI:
James A. Haley Veteran's Hospital
Gait Pertubations Systems for Balance Recovery at the VA

Christensen, Kenneth
Amount: $25,000
Co-PI:
Harris Corporation
University Capstone Passive Thermal Switch

Crane, Nathan B.
Amount: $9,600
Co-PI:
National Science Foundation
Large Stroke Microscale Actuators Based on Electrowetting

Amount: $20,000
Co-PI:
Sciperio
Environmental Assessment of a Printed Low Voltage Munition Ignition Bridge

Amount: $147,179
Co-PI:
National Science Foundation
Controlling Liquid Wetting of Textured Surfaces using Ultrasound

Dubey, Rajiv V.
Amount: $280,465

Co-PI:
US Army Medical Research & Material Comm.
Development of a Simulation Tool for Upper Extremity Prostheses

Amount: $17,876
Co-PI:
James A. Haley Veteran's Hospital
Gait Pertubations and Upper Body Responses for Balance Recovery at the Tampa VA

Amount: $47,249
Co-PI:
James A. Haley Veteran's Hospital
Gait Pertubations and Upper Body Responses for Balance Recovery at the Tampa VA

Amount: $12,600
Co-PI:
National Science Foundation
Maximizing Manipulation Capabilities of Persons with Disabilities Using a Smart Wheelchair-Mounted Robotic System

Amount: $749,464
Co-PI:
Florida Department of Education
Rehabilitation Engineering and Technology Program

Amount: $149,000
Co-PI:
Florida Department of Education
University of South Florida (USF) Virtual Reality and Robotics

Gallant, Nathan
Amount: $98,271
Co-PI:
National Science Foundation
CAREER: Combinatorial Biomaterials for Endothelial Cell Mechanobiology

Hess, Daniel
Amount: $53,565
Co-PI:
Analytical Mechanics Associates, Inc.
Mechanical Systems Technical Disciplien Team TEAMS2

Kaw, Autar K.
Amount: $203,792

Co-PI:
National Science Foundation
Improving and Assessing Student Learning in an Inverted STEM Classroom

Lusk, Craig P.
Amount: $79,892
Co-PI:
National Science Foundation
CAREER: Design for Integrity in Shape-Shifting Surfaces

Reed, Kyle B.
Amount: $117,292
Co-PI:
National Science Foundation
HCC: Small: Perception of Accurate Interactions through Bimanual Integrated Forces and Motions

Amount: $50,000
Co-PI:
National Science Foundation
Walking Crutch/Cane for Enhanced Assistance, Balance, and Control of Walking Dynamics

Volinsky, Alexei
Amount: $166,181
Co-PI:
National Science Foundation
IRES: International US-China Student Research Program in Advanced Materials