

December 8th | 10:00 am - 11:00 am | 1302 Everitt

BIOENGINEERING SENIOR DESIGN & M.ENG. CAPSTONE SYMPOSIUM

Bioengineering professors Jenny Amos, Joe Bradley and Holy Golecki served as project faculty advisors.

Brainstorming Solutions to (Re)Fractures

CIMED: Anton Christensen, Krishin Shivdasani, Shanel Pickard
iMBA, MEng: Taron Asatryan
UG: Emma Riedl, Sonja Gurbani, Lauren Krause, Jung Bae

Colonoscopy Instrument Design

CIMED: Rahul Yerrabelli, James Lee
MEng: Veronica Tami
UG: Alex Stein, Jacob Minin, Andrew Ding

Device to Standardize Laproscopic Access

CIMED: Jan Lee, Darrion Yang, Kanisha Overton
MEng: William Zieske, Arjun Garcha
UG: Sri Medisetti, Hannah Chiou

Gamification of Breathing Exercises

CIMED: Samantha Huang, Eunhae Yeo
MEng: Rasheeda Djibo
UG: Phil Liang, Kelly Ma, Naraen Palanikumar

Human Factors Needle Driver Redesign

CIMED: Katy Stauffer, Joe Policarpio
MEng: Thushara Sanjeev
UG: Iksha Handa, Gace Huberty, Niharika Dangarwala, Gianna Elias

Massage Device for Surgical Professionals

CIMED: Caywin Zhuan, Bara Saadah
MEng: John Halaka, Drashti Sikligar
UG: Noah Chiou, Calara Lynk, Victoria Kindratenko

Medical Device for Cervical Insufficiency

CIMED: Neha Panigrahy, Rahul Ramanathan
MEng: Sumeet Thosar, Athanacia Papoutsis
UG: Vincent Lam, Amy Lee, Allison Paxhia

Personalized Pediatric Cardiac Ed Tools

CIMED: Lindsey Ades, Prachi Keni
MEng: Alhindi Abdalmahmoud
UG: Zach Cacini, Kevin Baek, Unji Nam, Neha Hebbar

Vitals Based Music Therapy

CIMED: Natalie Ramsy, Max Ledersnaider
MEng: Bhavika Kagathi
UG: Lindsay Kwok, Amaan Mirza, Amartya Dave

Webcam Recognition Full Signs and Some Finger Spelling

Sponsor: ASL Aspire, Ayesha Kazi
MENG: Cheyenne Vondark
UG: Mona Jawad, Daniel Kaufman, Ryan Martin

Develop a Noninvasive Diagnostic Device to Help Diagnose Patients with Fibromyalgia

Sponsors: Ed Moore, Dr. Robert Katz
MEng: Xin Wang
UG: Reed Brockstein, Isabelle Guerra, Grace Varan, Reece Anderson

Impact of LifeWork Adapter Adapted Tools

Sponsor: John Schell, PhD
MENG: Claire Penrose
UG: Gabriela Hurtado, Mark Lindgren, Tom Huang, Tejaswini Govindaraman

Ferrivita

Sponsor: Jeffery Lu
MEng: Wong Wai Tan, Shambulingayya Doddapujar
UG: Erin Kinaci, Garrett McPheron, Nathan Chung, Mia Takekawa