

Old Guard Oral Presentation Competition

Zachary Schiller	City College of New York	Strength of Fabrics: Development of a Tensile/Shear Test Machine
Denitrios Stamatis	New Jersey Institute of Technology	Design of a Forearm Exercise Machine
Sanjay Patel	New Jersey Institute of Technology	Toilet Bowl Lift
Lazaro Cosma	Stevens Institute of Technology	Wave Energy Power Generator
Kitu Kumar	Stevens Institute of Technology	Micro-Planes: Weight and Payload Optimization
David Psiaki	United States Military Academy	Modeling of Ballistic Penetration in Ceramic Composite Armor
Kristofer Womack	United States Naval Academy	Combined Effects of Pulsed Film Cooling and Upstream Wakes on Gas Turbine Airfoil Heat Transfer

Old Guard Technical Poster Competition

Douglas Smith	New Jersey Institute of Technology	Intervertebral Lumber Disc: A Modification of the SB Charite III
Diego Rocha	New Jersey Institute of Technology	Motorized Wheel Chair Lock
Thomas Roskop	Stevens Institute of Technology	Design of an improved range of motion inter-vertebral spinal implant
Jonathan Rios	United States Military Academy	Robotic Manipulator
Brian Hottel	United States Military Academy	Ballistic Penetration Simulation of Encapsulated Ceramic Armor
Stephen Funni	United States Naval Academy	Evaluation of Properties and Microstructure as a Function of Tempering Time at Intercritical Temperatures in HY-80 Steel Castings

Old Guard Technical Web Page Competition

Qingzhang Zhou	City College of New York	Asian American Society of Engineers
Robert Hoar	Stevens Institute of Technology	Women's Lacrosse Skill Development Training Device

Student Design Contest

Alexis Hyde Dave Briscoe Stanley Oriala Moustapha Saylani	City College of New York	Automated Fishing rod
Nolan Taylor	City College of New York	Sip and Puff, Controlled Fishing Rod for Quadraplegics
Andwele McCarthy Theofanis Mermigousis Albert De La Cruz	City College of New York	Mouse Trap
Daniel Solomon Matthew Chateauvert Cassandra Telenko Shiann Shin Yamin	Cooper Union	Longshot
Roger Cost Aaron Feldman Kelly Smolar Peter Andruskiewicz	Cooper Union	Fishing Cannon
Sai Sankar Nanda Abeysekera Rendy Tobing Sushobhit Acharya	Fairleigh Dickinson University	Fishomatic
Jessica Vogel Jeffrey Schaffer	New Jersey Institute of Technology	Fishing Casting and Reeling System for Quadriplegics
Eric Shapiro Eric Jakubik	New Jersey Institute of Technology	TrebCaster
John Kurdyla Alejandro Perez	New Jersey Institute of Technology	Lure Launcher
James Matrunich Richard Boland	New Jersey Institute of Technology	Quadriplegic Fishing Rod
Matthew Ellis Adam De Sio Anthony De Simone	SUNY Maritime College	Thor's Hammer
