

16.888 Presentation Schedule

	May 3rd	May 5th	May 7th
9:00- 9:20 a.m.		<i>Optimization of the Space Shuttle External Fuel Tank</i>	<i>Autonomous Docking Maneuver Optimization Using the SPHERES Testbed</i>
		Massimo Usan	Simon Nolet, Masha Ishutkina
9:20- 9:40 a.m.	<i>Multidisciplinary Structural Optimization Considering Uncertainty</i>	<i>Optimal Utilization of the International Space Station</i>	<i>Design of a UAV platform</i>
	Bill Nadir	Alvar Saenz	Team Members: Greg Mark, Patrick Freuler, Olivier Toupet
9:40- 10:00 a.m.	<i>Ship Design Using Heuristic Optimization Methods</i>	<i>Multi-disciplinary Optimization of the Space Shuttle External Tank</i>	<i>Environmental Design Space</i>
	Ryan Boas, John Dickmann, Rob Wolf	Christopher Hynes	Dan King, Garret Barter, Kristin Jonker
10:00- 10:20 a.m.	<i>Optimal reconfigurations for expanding capacity of a communication satellites constellation</i>	<i>Optimization of Trajectory and Engine Selection for an Orbit Transfer</i>	<i>MDO of Passenger Hydrofoil Ship</i>
	Afreen Sidiqqi, Jason Melein	Christine Taylor	Iason Chatzakis
10:20- 10:40 a.m.	<i>Optimization of the Space Shuttle External Fuel Tank</i>	<i>Optimization of a Supersonic Jet using a Wave-Drag Simulation</i>	<i>Designing the Space Shuttle External Fuel Tank</i>
	Tomer Posner	Teresa Robinson	Mo-Han Hsieh, Christopher Lawson
10:40- 11:00 a.m.	<i>Multiobjective optimization in the staging of large telescope arrays</i>	<i>Conventional Airliner Design for Low Noise</i>	<i>A method for optimizing axial compressor's geometry for enhanced performance and stability</i>
	Gergana Bounova	Adam Diedrich, David Tan	Juan Castiella