Tuesday 7 April 2015

900	**905**	Introduction	CRUSER Director
905	**920**	Dr Timothy Chung	Advancing Swarm and Counter-Swarm UAV Capabilities and Technologies
925	**940**	Prof Peter Guest LT Chris Machado, USN	Accurate Enough to Provide Useful Data on Electromagnetic and Meteorological Conditions in the Vicinity of US Navy Ships?
945	**1000**	Prof Xiaoping Yun Mr James Calusdian	A MATLAB Interface for the P3-DX Mobile Robot
1005	**1020**	Prof Peter Chu	Glider and Ship Measured Underwater Optical Characteristics for Naval Operations
1025	**1040**	Prof Ronald Giachetti	Agent-based Simulation of System-of-system Architectures Combining Manned and Unmanned Air Vehicles
1045	**1100**	Mr Curtis Blais	Representation of Unmanned Systems in Naval Analytical Modeling and Simulation
1105	**1120**	Prof Ric Romero	Adaptive Beamsteering for Search-and-Track Application with Cognitive Radar Network
1125	**1140**	Prof Qing Wang	Autonomous Wave Gliders for Air-sea Interaction Research
1145	**1200**	LT Shannon Zoch, USN	An Efficient Routing Protocol for Dynamic Flying Ad-Hoc Networks (FANETs).
1205	**1220**	Dr Kristin Giammarco Dr Mikhail Auguston	Advancing Model-Based Design and Assessment of Robotics and Unmanned Systems
1225	**1240**	Prof Kevin B Smith LT Renato Peres Vio, Brazilian Navy	Real-time undersea networking using acoustic communications for improved UUV positioning and collaboration
1245	**1300**	Dr Richard C. Millar LT Matt Kiefer, USN	Development of a Process for Airworthiness Assessment of Unmanned Aircraft
1305	**1320**	Prof David Jenn	Wireless Power Transmission for Battery Charging and AUV/UAV Power Applications
1325	**1340**	LT Raymond Davis, USN LT Patrick Livesay, USN	The Design and Optimization of Swarm Capable, Smart UAV Launchers
1345	**1400**	Dr Douglas Horner	AUV Operations in Extreme Environments: Under-Ice Operations

Wednesday 8 April 2015

900	**905**	Introduction	CRUSER Director
905	**920**	Dr Kevin Jones Dr Qing Wang	Low-Cost Expendable UAS with Application to Lower Atmospheric Measurements
925	**940**	LCDR Brian Judy,USN and SEA-21A cohort	Organic Surface Combatant Over-The-Horizon Targeting for 2025 and Beyond
945	**1000**	Prof Isaac Kaminer Ms Claire Walton	Optimal Motion Planning for Search of Uncertain Targets and Defense against a Swarm Attack using UxSs
1005	**1020**	Dr Kwang sub Song Prof Peter Chu	Conceptual Design of Future Undersea Unmanned Vehicle (UUV) System for Mine Disposal
1025	**1040**	Prof Noel Du Toit	Robotic Outposts: Enabling Persistent AUV Operations
1045	**1100**	LT Douglas McIntosh, USN	Preventing Encroachment by Hobby Grade Small Unmanned Aerial Systems
1105	**1120**	Prof Marcello Romano Mr Alessio Grompone	Artificial Vision Estimation of Relative Motion of Autonomous Vehicles
1125	**1140**	LT David J. Cummings, USN	Viability of Open Source Software in Department of Defense Unmanned Aerial Systems
1145	**1200**	Prof John Joseph	Application of ocean gliders in tactical oceanography: Characterizing ambient noise
1205	**1220**	Mr Sean Kragelund	Intelligent Sensing: Initial Results with an ATLAS sonar on the NPS SeaFox USV
1225	**1240**	Capt Scotty Black, USMC	The Missions, the Tactics, the Implementation: a Simulation for Aerial Combat Swarms
1245	**1300**	Dr Joshua H. Gordis Ms Claire Walton	On the use of UxVs in Seabasing Cargo Transfer
1305	**1320**	LT Fatih Sen, Turkish Air Force	The Use of Unmanned Combat Aerial Vehicles in Conjunction with Manned Aircraft to Counter Active Terrorists in Rough Terrain
1325	**1340**	LTJG Salim Unlu, Turkish Navy	Assessing the Tactical Effectiveness and Performance of Prospective ASW Unmanned Surface Vehicles in Naval Convoy Operations
1345	**1400**	Prof Susan M Sanchez	Closing Capability Gaps: Data Farming Methods for New Concept Exploration in the CRUSER Community