## Wednesday, May 8, 2019

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<th>Time</th>
<th>Event</th>
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<tr>
<td>7:00 – 8:00 a.m.</td>
<td>Registration</td>
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| 8:00 – 9:00 a.m. | **Welcome:** Bob Mortlock, Principal Investigator, Acquisition Research Program  
**Keynote Speaker:** Mr. Dyke D. Weatherington, Deputy Assistant Secretary of Defense, Information & Integration Portfolio Management |
| 9:00 – 9:05 a.m. | Excuse keynote, stay seated                                          |
| 9:05 – 10:15 a.m. | **Plenary Panel #1:** Middle-tier Acquisition and the 2018 National Defense Strategy  
**Chair:** Hon. David Berteau, President & CEO, Professional Services Council  
**Panelists:**  
Andrew Hunter, Director, Defense-Industrial Initiatives Group and Senior Fellow, International Security Program, Center for Strategic and International Studies  
Hon. Katharina McFarland, Chair of the Army Research and Development Board, National Academies of Science  
Hon. William LaPlante, Senior Vice President and General Manager, The MITRE Corporation  
Stan Soloway, President & CEO, Celero Strategies, LLC |
| 10:15 – 10:30 a.m. | Break                                                              |
| 10:30 – 11:45 a.m. | **Track A - Red:**  
Panel #2: Cybersecurity Acquisition – Software and Risk Implications  
**Chair:** Captain Melvin Yokoyama, USN, Commanding Officer, Naval Information Warfare Center (NIWC) Pacific  
**Discussant:** Howard Pace, Professor of the Practice, Naval Postgraduate School  
Acquisition of Software-Defined Hardware-Based Adaptable Systems  
Andrew Hunter and Maura McQuade, Center for Strategic and International Studies  
Acquisition System Design Analysis for Improved Cyber Security  
**Track B - White:**  
Panel #3: Observations on Category Management – Early Successes, Challenges and Opportunities for Research  
**Chair:** Richard Lombardi, Deputy Under Secretary of the Air Force, Management (SAF/MG)  
**Panelists:**  
Major General Cameron Holt, USAF, Deputy Assistant Secretary for Contracting, Office of the Assistant Secretary of the Air Force for Acquisition, Technology and Logistics  
Mr. Stuart Hazlett, Deputy Assistant Secretary of the Army (Procurement)  
Ms. Lorna B. Estep, Executive Director, Air Force  
**Track C - Blue:**  
Panel #4: Our Most Important Asset: Acquisition Workforce  
**Chair:** Rene’ Thomas-Rizzo, Director, Resources, Personnel and Data, Office of the Under Secretary of Defense for Acquisition and Sustainment  
A Study of Financial and Non-Financial Incentives for Civilian and Military Program Managers for Major Defense Acquisition Programs  
Dave Hunter and Dave Tate, Institute for Defense Analyses  
Is the Army Acquisition Workforce Surfing the Federal Retirement Wave to a Soft Landing? |
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<tr>
<th>Time</th>
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<tr>
<td>11:45 – 12:45 p.m.</td>
<td>Lunch</td>
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<td>12:45 – 2:00 p.m.</td>
<td>Panel #5: Addressing Cybersecurity within Defense Acquisition Programs</td>
<td>Panel #6: International Defense Acquisition: China and Innovation</td>
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<td>Chair: Captain Kurt Rothenhaus, USN, Navy's Tactical Networks Program Office (PMW 160)</td>
<td>Chair: Dr. Christopher P. Twomey, Associate Professor, National Security Affairs, Naval Postgraduate School</td>
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<td>Raj Chitikila, Government Accountability Office</td>
<td>Tai Ming Cheung and Eric Hagt, University of California San Diego</td>
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<td>Acquisition Cybersecurity Management Framework</td>
<td>China’s Efforts in Civil-Military Integration, Its Impact on the Development of China’s Acquisition System, and Implications for the United States</td>
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<td>Randy Maule, Naval Postgraduate School</td>
<td>China’s Efforts in Civil-Military Integration, Its Impact on the Development of China’s Acquisition System, and Implications for the United States</td>
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<td>Cybersecurity: Converting Shock into Action</td>
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<td>Robert Tremaine and Paul Shaw, Defense Acquisition University</td>
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<td>2:15 – 3:30 p.m.</td>
<td>Panel #8: Industrial Base Considerations within Defense Acquisition</td>
<td>Panel #9: Autonomous Systems Acquisition – Challenges for the DOD</td>
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<td>Chair: David Stapleton, Acting Deputy Assistant Secretary of Defense, Industrial Policy</td>
<td>Chair: Paul Mann, Technical Director Naval Surface Warfare Center, Port Hueneme Division</td>
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<td></td>
<td>Discussant: Andrew Hunter, Director, Defense-Industrial Initiatives Group and Senior Fellow, International Security Program, Center for Strategic and International Studies</td>
<td>A framework for aligning emerging small UAS technologies with defense acquisition processes</td>
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<td>Industrial Mobilization in World War I: Implications for Future Great Power Conflict</td>
<td>Jonathan Wong, RAND Corporation</td>
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<td>Patricia Bronson, Christopher Martin, and Brian Gladstone, Institute for Defense Analyses</td>
<td>Michael Anderson and Johnathan Mun, Naval Postgraduate School</td>
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<td>3:30 – 3:45 p.m.</td>
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<td>3:45 – 5:00 p.m.</td>
<td>Panel #11: Decision Making within Defense Acquisition</td>
<td>Panel #12: Key Challenges in Design and Engineering Management of Programs</td>
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<td>Chair: Brigadier General Michael Sloane, USA, Program Executive Officer, Simulation, Training and Instrumentation</td>
<td>Chair: Reuben Pitts, President Lyceum Consulting, LLC</td>
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<td>Army's Search for a Better Uniform Camouflage Pattern – A Case Study</td>
<td>Lead Systems Integration: A Key Enabler for System of Systems Engineering and Integration</td>
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<td>Robert Mortlock, Naval Postgraduate School</td>
<td>Ronald Carlson and Warren Vaneman, Naval Postgraduate School</td>
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<td>Survive, But Not Thrive? The Constraining Influence of Government Funding on Technology Start-Ups</td>
<td>Uncovering Cascading Vulnerabilities in Model-Centric Acquisition Programs and Enterprises</td>
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<td>Donna Rhodes and Jack</td>
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| Jason Rathje, Stanford University  
**An Analytic Model of Success for Information Technology Decision Making**  
Thomas Clemons, KC Chang, and Sean Tzeng, George Mason University | Reid, Massachusetts Institute of Technology  
**Risk Management and Information Assurance Decision Support**  
Hanan Hibshi and Travis Breaux, Carnegie Mellon University | Megan McKernan, Jerry Sollinger, Jeffrey Drezner, Austin Lewis, Ken Munson, Geoffrey McGovern, Devon Hill, Marek Posard and Jaime Hastings, RAND Corporation  
**Evaluating the Use of Public Data Sources to Improve Acquisition Processes: A Market Research Use Case**  
Dorcas LaSalle and Kristin Fitzgerald, MITRE |
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<td><strong>5:00 – 6:30 p.m.</strong></td>
<td><strong>Student Research Poster Show &amp; Toast to Jacques Gansler</strong></td>
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| 8:00 – 9:00 a.m. | Welcome: RADM James B. Greene, USN (Ret.); VADM Ann E. Rondeau, USN (Ret.), President, Naval Postgraduate School  
Keynote Speaker: Ms. Allison F. Stiller, Principal Civilian Deputy to the Assistant Secretary of the Navy Research, Development and Acquisition |
| 9:00 – 9:05 a.m. | Excuse keynote, stay seated                                                        |
Chair: David Drabkin, Chair, Section 809 Panel  
Panelists:  
Al Burman, Commissioner, Section 809 Panel  
Joseph W. Dyer, VADM USN (Ret.), Commissioner, Section 809 Panel  
Charlie E. Williams, Jr., Commissioner, Section 809 Panel |
| 10:15 – 10:30 a.m. | Break                                                                             |
| 10:30 – 11:45 a.m. | Track A - Red  
Panel #15: Using Data Analytics to Improve Acquisition Performance  
Chair: Lorna Estep, Executive Director, Air Force Installation and Mission Support Center  
PUSHING the digital thread into the early Acquisition Process: Product Lifecycle Management  
Lawrence Uchmanowicz, Siemens  
Predicting Federal Contractor Performance Issues Using Data Analytics  
David Gill, Internal Revenue Service; Rene Rendon and William Muir, Naval Postgraduate School  
Opportunities for Improved Acquisition Information Management in the Emerging Acquisition Environment  
Jeff Drezner and Megan McKernan, RAND Corporation  
Panel #16: Acquisition Reform – Better Schedule Estimating  
Chair: Vice Admiral David Lewis, USN, Director, Defense Contract Management Agency  
Making Time from Data: Toward Realistic Acquisition Schedule Estimates  
Charles Pickar, Raymond Franck, Naval Postgraduate School  
A Comparative Analysis of Advanced Methodologies to Improve the Acquisition of Information Technology in the Department of Defense for Optimal Risk Mitigation and Decision Support Systems to Avoid Cost and Schedule Overruns  
Thomas Housel and Johnathan Mun, Naval Postgraduate School  
System Maturity Estimation During Program Execution  
John Kamp, Kaena Point Consulting LLC  
Panel #17: Setting Programs up for Success: Effective Analysis and Alternatives  
Chair: Phil Rodgers, Director, Acquisition Management and Approaches, Office of the Under Secretary of Defense for Acquisition and Sustainment  
A Robust Framework for Analysis of Alternatives (AoA)  
Brian Morgan and Moshe Kress, Naval Postgraduate School  
Rethinking Government Supplier Decisions: The Economic Evaluation of Alternatives (EEOA)  
James Fan and Francois Melese, Naval Postgraduate School  
John Green, Naval Postgraduate School |
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| 12:45 – 2:00 p.m. | **Track A - Red**  
Panel #18: Insights into Defense Acquisition Program Oversight  
Chair: Travis Masters, Assistant Director, Contracting and National Security Acquisitions, U.S. Government Accountability Office  
Foundational Assumptions and Associated Observables  
Gregory Davis, John Bailey, and Matthew Goldberg, Institute for Defense Analyses  
Do We Need a Different Approach to Statistical Analysis of Research, Development, Test, and Evaluation Cost Growth?  
David McNicol, Institute for Defense Analyses  
Quantifying the Year-by-Year Cost Uncertainty of Major Defense Programs  
David Tate, and Michael Guggisberg, Institute for Defense Analyses  
**Track B - White**  
Panel #19: Improving the Effectiveness of Ship Acquisition  
Chair: Rear Admiral Michael J. Johnston, USCG, Assistant Commandant for Acquisition & Chief Acquisition Officer  
Flexible Ships  
Johnathan Mun, Naval Postgraduate School  
Naval Combat System Product Line Architecture Economics  
Ray Madachy and John Green, Naval Postgraduate School  
Defining a Model-Based Systems Engineering Approach for Systems Engineering Technical Reviews  
Warren Vaneman and Ronald Carlson, Naval Postgraduate School  
**Track C - Blue**  
Panel #20: Contract Management Challenges  
Chair: Stuart Hazlett, Deputy Assistant Secretary of the Army (Procurement)  
Measuring Service Contract Performance: Preliminary Findings on Effects of Service Complexity, Managerial Capacity, and Prior Relationship  
Gregory Sanders, Andrew Hunter, Robert Karlen, and Zachary Huitink, Center for Strategic and International Studies  
Predicting Bid Protests: What Should Acquisition Teams (Not) Do?  
Tim Hawkins, Western Kentucky University  
Commercial when Convenient – A Gray Area in the Federal Acquisition Regulations that Makes Determining Fair and Reasonable Pricing Difficult  
Brian Gladstone and Mark Kaye, Institute for Defense Analyses |
| 2:00 – 2:15 p.m. | **Break**                                                               |
| 2:15 – 3:30 p.m. | **Track A - Red**  
How are Recent Acquisition Reform Initiatives Changing the Oversight and Management of Major Defense Acquisition Programs?  
Cheryl Andrew, Government  
**Track B - White**  
Panel #22: Planning, Programming, and Budgeting Execution Reform within Defense Acquisition  
Chair: VADM John Terence Blake, USN, (Ret.), Professor of Practice and Conrad Chair, Naval Postgraduate School  
Capital Budgeting and Portfolio Optimization in the U.S. Navy and Department of Defense  
Johnathan Mun, Naval Postgraduate School  
**Track C - Blue**  
Panel #23: Contract and Logistics Implications in Defense Acquisition  
Chair: Elliott Branch, Deputy Assistant Secretary of the Navy, Acquisition and Procurement  
Leveraging Contracting Strategies with Private Shipyards for Increasing Naval Fleet Operational Availability  
Joseph Bradley, Leading Change, LLC, Kaitlynn Castelle, Old Dominion University and Sanjeev Gupta, Realization |
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