MONDAY, SEPTEMBER 17, 2018

0800 - 1100  Dry Dock Working Group (DDWG) Meeting (Room 2CD)

0800 - 1300  Table Top Exhibits at Mid-Atlantic Regional Maintenance Center
               Building CEP 200, Naval Station Norfolk

1200 - 1800  Scholarship Golf Tournament (Separate registration required)

1200 - 2000  Exhibit Hall Set-Up

1300 - 1700  Professional Development Course: International Naval Design Standards (Room 2CD)
              Additional registration required
              Sponsored by American Bureau of Shipping

1400 - 1530  USS Abraham Lincoln (CVN-72) Ship Tour (Naval Station Norfolk) (Meet at Building CEP 200)

TUESDAY, SEPTEMBER 18, 2018

0700 - 0800  Authors/Moderators Breakfast (Room 4D)
              Continental Breakfast (outside Ballroom 1)
              Sponsored by Life Cycle Engineering

0700 - 1700  Registration Open (Foyer)
              Bags sponsored by Realization Technologies
              Lanyards sponsored by Philadelphia Gear
              Mobile app sponsored by NTT Data Federal Services

0745 - 1715  Port Engineers Training Symposium (Suite 3) Current USN Port Engineers Only

0800 - 0815  Welcome/Opening Remarks (Ballroom 1)

0815 - 0915  Opening Keynote Address (Ballroom 1)
              Mr. Mark W. Honecker, SES; Executive Director and Chief of Staff, U.S. Fleet Forces Command

0915  Exhibit Hall Opens
              Technology square sponsored by Lockheed Martin
              Social interactive lounge sponsored by McKeen Defense
              Soft drinks sponsored by Alion Science and Technology
              Water bottles sponsored by Par Systems

0930 - 1015  Floor Speaker (Innovation Theater)
              NAVSEA Contracting for Ship Repair through Naval Shipyards and Regional Maintenance Centers - an Overview
              Mr. Art Lopez; Deputy Division Director for Naval Shipyards and Regional Maintenance Centers
              Contracting Oversight, SEA 024
              Innovation Theater sponsored by Shannon Specialty Floors

0930 - 1030  Morning Break (Exhibit Hall)
              Sponsored by Epsilon Systems Solutions, Inc

1000 - 1600  NAVSEA 05 Engineering Forum (Room 4AB)
              • 1000-1030 - Jim Gardner, "Recent NSTM 100 Update"
              • 1030-1100 - Fred Tsao, "DDG Wedding Band Repair"
              • 1100-1130 - Eric Lind, "Engineering and Technical Authority Overview"
              • 1130-1200 - Sanjay Chandra, "Cumbersome Work Practices (CWP) Successes and Data Call"
              • 1200-1230 - Eric Lind, "Engineering-related Private Sector Improvement (PSI) Initiatives"
              • 1345-1400 - Eric Lind, "Departure from Specification (DFS) Trends"
              • 1400-1430 - Brian Tait, "Ships' Damaged Stability Status and future of Inclinings"
              • 1430-1500 - Fred Tsao, "DDG Twisted Rudder Solution"
              • 1500-1530 - John Fulton, "LCS Technical Guidance for In-service Maintenance and Repair"
              • 1530-1600 - Tammy Barr, "Lithium Ion Battery Facility Way Ahead"
AGENDA

1030 - 1145  Enlisted Panel: Enabling Self-Sufficiency at Sea - What initiatives are in play, what's working, and where is there room for improvement? (Ballroom 1) **This session is open to all FMMS attendees**
Moderator: CDR Dan Spagone Sr., USN (Ret.); Director, I-Level Production Department CNRMC
Panelists:
- FLTCDM Richard "Rick" O'Rawe, USN; Fleet Master Chief, U.S. Fleet Forces Command
- FLTCDM Paul Kingsbury, USN (Ret.); Former Fleet Master Chief, U.S. Fleet Forces Command
- FORCM Kevin Goodrich, USN; Force Master Chief, Naval Surface Forces Atlantic
- CMDCM Scott Kelley, USN; Command Master Chief, Navy Regional Maintenance Center
- CMDCM Terry Wylie, USN; Command Master Chief, USS SAN ANTONIO (LPD-17)

1030 - 1200  VSRA Board Meeting (Show Management Office) (Invitation only)

1145 - 1240  Lunch (Exhibit Hall)
Sponsored by Guidehouse

1240 - 1250  Presentation of the Gold Medal Award (Ballroom 1)
2017 Gold Medal Award (Engineering) to be presented to Mr. Jerry Cashman

1250 - 1335  Afternoon Keynote (Ballroom 1)
VADM Thomas Moore, USN; Commander, Naval Sea Systems Command
In partnership with the Virginia Ship Repair Association (VSRA)

1345 - 1500  Technical Papers Track 1-1: Readiness (Room 2A)
Moderator: Mr. Andy Vasquez
- 1:45-2:15: Implementation of a Multi-Criteria Decision Analysis (MCDA) Toolkit to Aid in Ranking Naval Mission Vessel Combinations with Uncertainty
  Dr. Andrew Miller
- 2:25-2:55: Effective Fluid-Film Bearing Damage Assessment
  Dr. Lyle A. Branagan, Day Griffin

Technical Papers Track 1-2: Wholeness (Room 2B)
Moderator: LCDR John Walsh, USN (Ret.)
- 1:45-2:15: SORCAT - NAMTS Matures to Meet Fleet Maintenance Requirements
  Daniel Spagone Sr., Charles E. Lynch
  James E. Baugh, Jr., Robert Parker, Nick Tullos, Alan Bird

Technical Papers Track 1-3: Future Capability (Room 2CD)
Moderator: Mr. Ray Weber
- 1:45-2:15: Advances in Materials at the U.S. Naval Research Laboratory for Naval Applications
  V.G. DeGiorgi
  Anthony Greenwell

1400 - 1445  Floor Speaker (Innovation Theater)
**Digital Twin Comes to Life! Advancing the Application of Digital - Model Based Products to the IN-SERVICE Maintenance & Modernization Ship Community**
Mr. Mark Debbink; HII-Newport News Shipbuilding and Mr. Dana McKnight; HII-Technical Solutions

1500 - 1545  Floor Speaker (Innovation Theater)
**NMMES-TR: Modernizing Shipyard IT**
Mr. Bruce Urbon; Program Manager, Navy Maritime Maintenance Enterprise Solution - Tech Refresh (PMS-444)

1500 - 1600  Afternoon Break (Exhibit Hall)
Sponsored by Automatic Coating Limited

1600 - 1715  Technology Panel: And the Machines Shall Speak: The Impact of Big Data, Machine Learning, and Predictive Analytics on Fleet Maintenance (Ballroom 1)
Moderator: RDML James Rodman, USN (Ret.); Chief Executive Officer, XSITE LLC
- CDR Jesse Black, USN; Deputy Director for Marine Engineering, NAVSEA
- Ms. Kay Murphy; Leader - Global Asset Optimization Center of Competence, IBM
- Mr. Manuel Terranova; Chief Executive Officer and President, Peaxy
- Mr. Chip Cotton; Program Manager for Energy Research and Development, General Electric Global Research
- Mr. Stewart Hall; Chief Engineer, Fleet Readiness Directorate, SPAWAR
- LT Martin Howard, USN; Combat Systems Officer, USS ZUMWALT (DDG 1000)
AGENDA

WEDNESDAY, SEPTEMBER 19, 2018

0700  Exhibit Hall Opens

0700 - 0800  Authors/Moderators Breakfast (Room 4D)
Continental Breakfast (Exhibit Hall)
Sponsored by Hexagon US Federal

0700 - 1700  Registration Open (Foyer)

0745 - 1715  Port Engineers Training Symposium (Suite 3) Current USN Port Engineers Only

0800 - 0810  Presentation of the Frank Jones Award (Ballroom 1)
2017 Frank C. Jones Award (Intermediate/Depot Maintenance & Alterations) to be presented to Brian J. Edwards

0815 - 0930  Current Readiness & Sustainment Panel: Challenges and Strategies to Meeting Fleet Operational Requirements...Every Time! (Ballroom 1)
Moderator: RADM Jeff Brooks, USN (Ret.)
Panelists:
• RADM Mark Whitney, USN; Director, Fleet Maintenance, U.S. Fleet Forces Command
• RDML James Downey, USN; Deputy Commander, Surface Warfare and Commander, Navy Regional Maintenance Center
• RADM Joe Campbell, USN (Ret.); Vice President and General Manager, BAE Systems Ship Repair
• Mr. David Carver; Vice President and General Manager of Repair, General Dynamics NASSCO
• Mr. Thomas Epley; President and CEO, MHI Ship Repair

0930 - 1015  Floor Speaker (Innovation Theater)
Sailor Readiness in Maintenance through our NAMTS Program. (Navy Afloat Maintenance Training)
CAPT Daniel Lannamann, USN; MARMC Commanding Officer

0930 - 1030  Morning Break (Exhibit Hall)
Sponsored by L3 Technologies

0930 - 1130  Surface Ship Corrosion Roundtable (Room 4AB) (Invitation only)

1000 - 1200  Coast Guard Naval Engineering Leadership Forum (Room 4C) (Invitation only)

1030 - 1115  Floor Speaker (Innovation Theater)
Dry Dock Common User Facilities
Mr. Joseph Stiglich

1030 - 1145  Technical Papers Track 2-1: Readiness (Room 2A)
Moderator: Mr. Mike Ebey
• 10:30-11:00: Modernizing the Maintenance Planning Process
  Kristen Cochran, Mike Mazzenga
• 11:10-11:40: Using Data Science to Enable Enhanced Condition Based Maintenance
  Subrat Nanda, Howard Fireman, Joseph Gollapalli, Joshua Divin

Technical Papers Track 2-2: Wholeness (Room 2B)
Moderator: CDR Kathleen Murray, USN (Ret.)
• 10:30-11:00: Supporting Student Veterans Along the Engineering Degree Pathway
  Ashish Tamhane, Katherine Smith, Dr. Anthony Dean, Yuzhong Shen
• 11:10-11:40: Modernizing Maritime Maintenance/Repair Training
  Ted Dennis

Technical Papers Track 2-3: Future Capability (Room 2CD)
Moderator: LCDR John Walsh, USN (Ret.)
• 10:30-11:00: Optimizing Pre-Deployment Sparing and Deployed Operational Availability with the Predictive Risk Sparing Matrix (PRiSM)
  Subodh Anand Agrawal Jr., Nicholas A. Hymer, Raymond J. Ward, Benny N. Cheng
• 11:10-11:40: Navy Energy Command and Control: Integrating Enterprise Business Systems to Enhance Readiness, and Wholeness
  Michael Essig, Michael Elbert, Mike MacEwan, Mary Shannon, Brett Mayhew, Ann Cate

1130 - 1200  AMMA Board Meeting (Show Management Office) (Invitation only)

1130 - 1215  Floor Speaker (Innovation Theater)
Two Decades of Progress in the Conservation of USS Monitor
Mr. Will Hoffman; Director of Conservation and Chief Conservator, Mariners’ Museum

1200 - 1240  Lunch (Exhibit Hall)
Sponsored by Huntington Ingalls Industries – Technical Solutions and Newport News Shipbuilding
AGENDA

1245 - 1330  Afternoon Keynote (Ballroom 1)
VADM Michael McAllister, USCG; Deputy Commandant for Mission Support

In partnership with the American Maritime Modernization Association (AMMA)

1330 - 1415  Floor Speaker (Innovation Theater)
Integration of Maintenance into Operational Scheduling
CDR Jeff Payne, USCG; Patrol Boat Product Line Product Line Manager (PBPL PLM), Surface Forces Logistic Center (SFLC)

1340 - 1455  Technical Papers Track 3-1: Readiness (Room 2A)
Moderator: CDR Guy Zanti, USN (Ret.)
• 1:40-2:10: MSC’s Readiness Improvement Through Enhanced Material Observation and Validation Initiative
  JoEllen Rose
  Joe Beel and Anthony Gay

Technical Papers Track 3-2: Wholeness (Room 2B)
Moderator: Mr. Jeff Brown
• 1:40-2:10: Siemens Air Handling System Optimization
  David Kopczynski, Brendan McMasters
• 2:20-2:50: Facilitating the Digital Delivery of Engineering and Logistics Data into a Single Common Integrated Product Data Environment to Enable Improved Data Analytics
  CAPT C.W. Chesterman, Jr. USN (Ret.), Ph.D., Pat Craig, Jared Oliverio and Tom Wilson

Technical Papers Track 3-3: Future Capability (Room 2CD)
Moderator: Mr. Mike Ebey
• 1:40-2:10: A System of Systems Approach to Cyber Hardening Deployed Control Systems
  Turin Pollard
• 2:20-2:50: Platform Level Cybersecurity Using RMF Prior to Enclaving
  Al Pruitt and Shonda Milhon

1430 - 1515  Floor Speaker (Innovation Theater)
Composite Materials Components for Reduced Maintenance and Total Ownership Cost
Dr. Maureen Foley; NSWC Carderock Division

1440 - 1540  Afternoon Break (Exhibit Hall)

1540 - 1655  Fleet Modernization Panel: Expanding Fleet Capability, Capacity and Maritime Superiority to Meet Future Threats (Ballroom 1)
Moderator: RADM Ron Rábago, USCG (Ret.)
Panelists:
• RADM William Galinis, USN; Program Executive Officer, Ships
• RDML Mel Bouboulis, USCG; Assistant Commandant for Engineering and Logistics (CG-4)
• RDML James Downey, USN; Commander, Navy Regional Maintenance Center
• RDML Stephen Williamson, USN; Deputy Commander, Logistics, Maintenance and Industrial Operations, Naval Sea Systems Command
• Mr. Rob Wolborsky, SES; Executive Director, Fleet Readiness Directorate, SPAWAR

1655 - 1700  Closing Remarks (Ballroom 1)

THURSDAY, SEPTEMBER 20, 2018

0800 - 1200  Professional Development Course: Shipbuilding & Ship Repair Business Management: Understanding Shipyard Business Operations (Room 4AB) (Additional registration required)

Professional Development Course: Fundamentals of Welding Engineering (Room 4C) (Additional registration required)

0800 - 1630  Port Engineers Training Symposium (Suite 3) Current USN Port Engineers Only

0800 - 1700  Industry-Navy Discussion Panel (INDP) (Suite 2)
Chaired by RDML James Downey, USN; Commander, Navy Regional Maintenance Center
• 0900-1100: Small Business Roundtable (Open to All Ship Repair Small Business)
• 1200-1700: Navy Industry Leadership meeting (By Invitation Only)

Refreshments sponsored by Valkyrie