

# **Mega Rust 2014: Naval Corrosion Conference**

**San Diego, California, USA  
24-26 June 2014**

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# Mega Rust 2014

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## Mega Rust 2014: Naval Corrosion Conference

June 24-26, 2014

NTC at Liberty Station

San Diego, CA

### Tuesday, June 24

#### Concurrent Technical Session 1

Moderator: Dave Zilber, 3M

- 1300-1330: *Oshkosh Finishing Services* ..... 1  
Robert Pilzak, Alex Hittle (Oshkosh)
- 1330-1400: *Nano Based Top Coating – Reluctance to Change* ..... 14  
Greg Ingles (Applied Technology Intl)
- 1400-1430: *Remotely Operated Climber for Tank and Bilge Maintenance* ..... 23  
Mark Braza (NAVSEA 04)

#### Concurrent Technical Session 2

Moderator: John Mangano, International Paint

- 1300-1330: *Environmentally-preferable Coatings for Structural Steel in a Marine Environment* ..... N/A  
Pattie Lewis (NASA)
- 1330-1400: *Enhancing Navy Shipboard Corrosion Control Using Proven Long-Term Surface Tolerant Primers* ..... 31  
John Griffin (Grace Distributing)
- 1400-1430: *Use of Novel Corrosion Inhibitors in Coatings to Protect Marine Grade Aluminum* ..... N/A  
Jeannine Elliott (TDA Research)

### **Concurrent Technical Session 3**

Moderator: Glenn Hofert, QED Systems

- 1500-1530: *Changing Corrosion Control Culture* ..... 62  
[George Keller](#)
- 1530-1600: *New Corrosion Control Methods Using Air Tools* ..... 71  
Dave Zilber (3M)
- 1600-1630: *Peel & Stick Nonskid Program Update* ..... 82  
Dave Zilber (3M)
- 1630-1700: *Dry Ice Blasting Process for Cleaning, Preservation Preparation and Coating Inspection* ..... 101  
Karen Bruer (Amee Bay)

### **Concurrent Technical Session 4**

Moderator: Tony Eng, NAVSSES

- 1500-1530: *Responsibly Managing Hexavalent Chromium (Cr+6) during "Deckplate" Corrosion Prevention* ..... N/A  
Vinay Gadkari (Battelle)
- 1530-1600: *Alternative to Nitric Acid for Passivation of Stainless Steel Alloys* ..... N/A  
Pattie Lewis (NASA)
- 1600-1630: *Cable and Termination Weatherproofing* ..... N/A  
John Welsh (3M)

## **Wednesday, June 25**

### **Navy Corrosion Executive Remarks** ..... 121

Mr. Matt Koch, Corrosion Control and Prevention Executive

### **OSD Corrosion Policy and Oversight Remarks** ..... 124

Mr. Dan Dunmire, Director, OSD Corrosion Policy and Oversight

**NAVSEA Remarks ..... 128**

Mr. Beau Brinckerhoff, NAVSEA

**U.S. Pacific Fleet, Fleet Maintenance Staff Remarks ..... N/A**

Mr. Mike Bresnan, PACFLT N43 (Technical Programs)

**TYCOM Updates ..... N/A**

Mr. Stuart Morgan, SURFPAC, LCDR Steve Gilbert, SURFLANT

**Combat Systems ..... N/A**

Mr. Tim Tenopir, NSWC-PHD

**Waterfront Perspectives Panel ..... N/A**

Moderator: CDR Bill Partington, CNSP N43

- Dave Sparkuhl, San Diego Lead Combatants Port Engineer
- Ron Spano, CNS,L USS MESA VERDE (LPD 19) Port Engineer
- CWO3 Gabriel Perez, CNAP N43
- ETCS John O'Dell, CNSP N43 (3M, AMPHIB and Combatant experience)
- BMC Matt Dill, USS Scout (MCM 8)

**Thursday, June 26**

**Keynote Speaker ..... N/A**

VADM Thomas Copeman, USN; Commander, Surface Forces, U.S. Pacific Fleet

**Flag Officers Panel ..... N/A**

**Moderator:** VADM William Hilarides, USN; Commander, NAVSEA

- RDML Alma Grocki, USN; Fleet Maintenance Officer, U.S. Pacific Fleet
- CAPT Heidemarie Stefanyshyn-Piper, USN; Commander, Southwest Regional Maintenance Center
- Mr. Andrew Vasquez, SEA-21

**Industry Perspective ..... 132**

Mr. George Murphy, Coatings Deputy Program Manager, NASSCO -

Earl Industries

### **Concurrent Technical Session 5**

Moderator: Beau Brinckerhoff, NAVSEA

- 1300-1330: *NAVSEA Coating Technical Warrant Holder Update ..... 140*  
Mark Ingle (NAVSEA)
- 1330-1400: *Paint Center of Excellence ..... 151*  
Mark Lattner (NAVSEA)
- 1400-1430: *Polisiloxane Coatings Lessons and Management ..... 170*  
Dr. Erick Iezzi (NRL)

### **Concurrent Technical Session 6**

Moderator: Joe Luckard, CommSolGlobal, LLC

- 1300-1330: *Nonskid Update ..... 185*  
Damien Ranero (NSWC-CD)
- 1330-1400: *Corrosion Removal and Evolution of Surface Cleanliness/Anchor Profile ..... N/A*  
Robert Stango (Marquette University)
- 1400-1430: *Flange Encapsulation System ..... N/A*  
Ivan Odaz (Belzona)

### **Concurrent Technical Session 7**

Moderator: CDR Bill Partington, USN

- 1500-1530: *Naval Shipyard Paint and Preservation Initiatives for Reduced Total Ownership Cost ..... 203*  
Mark Braza (NAVSEA)
- 1530-1600: *NSRP Surface Preparations & Coatings Panel Update ..... N/A*  
Arcino Quiero (HII-NNS)
- 1600-1630: *Creating a Business Case Analysis to Optimize Maintenance Painting ..... N/A*

Pete Ault (Elzly Technology)

### **Concurrent Technical Session 8**

Moderator: Mark Schultz, Sherwin-Williams

- 1500-1530: *CCAT Update* ..... 207  
Jim Wagle (NSWC-CD)
- 1530-1600: *Design of a Multi-Segmented Magnetic Robot for Hull Inspection* ..... 231  
Narek Pezeshkian (SPAWAR)
- 1600-1630: *Cost of Corrosion Analysis: Assessing the Cost of Corrosion across the Availability Cycle* ..... N/A  
Evan Parson (Vision Point Systems)