

2010 Army Corrosion Summit Agenda

1Corrosion Impacts the Warfighter – When Corrosion Wins the Mission Ends

General Session – February 9, 2010

Steve Carr, Session Chair/Roger Hamerlinck, Co-Chair

Tuesday – Day 1

Time	Topic	Speaker
0700	Registration	
0800	National Anthem sung by Sarah Kilpatrick	
0810	Welcome – Introductory Remarks	Steve Carr
	Breakfast	
0830	Keynote Speaker – Moving Technical Knowledge into Decision Making	Cliff Johnson, NACE International, Director of Public Affairs
0930	Keynote Speaker – AMC	SES Lane Collie, Principal Deputy G-3/5 HQ, US Army Materiel Command
0950	FORSCOM – Integrated Army Program	SES Dave Campbell , Forces Command
1020	Keynote Speaker – Maintenance and Equipment	Mr. Mark Funk, US Army G-4
1040	Break – Poster Set Up in DAC Area	
1100	PEO Aviation	Mr. Layne Merritt, Assistant PEO for Engineering and Technology
1120	PEO Missiles	David Tritt, PEO Missiles & Space
1140	LOGSA – (Technical Manuals)	James R. Bryant, Logistics Support Activity chief
1200	Luncheon Speaker – Overall Program Status Report	Roger Hamerlinck, Senior Acquisition Policy Specialist Office of the Secretary of the Army
1340	Corrosion: It's Your Fault	Kevin McGill, Hughes Associates, Inc.
1410	Industry Perspective	Robert Hathaway, Oshkosh & Robert Guillemette, Sikorsky
1430	RDECOM's Corrosion Strategy	Erik Hangeland, HQ RDECOM
1450	Supply/Maintenance/Trans/Logistic Products	John Macha, Corpus Christi Army Depot & Chris Coss, Anniston Army Depot
1510	Break & Poster Display in DAC Area	
1530	Keynote Speaker – TRADOC	MG James E. Chambers
1550	Corrosion IPT Process Discussion Panel	Roger Hamerlinck
1650	Adjourn	
1700	Poster Evaluation in DAC Area & Refreshments	

2010 Army Corrosion Summit Agenda

February 10, 2010
General Session Continued
Steve Carr, Session Chair/Roger Hamerlinck, Co-Chair

Wednesday – Day 2

Time	Topic		Speaker			
0700	Registration – Breakfast on your own					
0800	DoD Corrosion Study Methodology		Steve Carr, AMCOM			
0820	Keynote Speaker		MG James Myles, CG AMCOM			
0840	Impact of Corrosion – Aviation & Missiles		Robert Herron, AMRDEC			
0900	Impact of Corrosion – Ground Vehicles		Ali Baziari, TACOM/TARDEC			
0920	Impact of Corrosion – Infrastructure		Vince Hock, ERDC-CERL			
0940	Deep Cycle Maintenance Concept		Fred Pieper, AMC G-3			
1000	Break & Poster Evaluation in DAC Area					
1030	Impact of Corrosion – Weapons & Ammo		Don Skelton, US Army ARDEC			
1050	Dynamic Corrosion Prevention & Control Strategy Implementation		Robert Herron, DoD Office of Corrosion Policy and Oversight			
1100	Keynote Speaker		MG Nick G. Justice CG, RDECOM			
1110	Users Feedback – Panel – Lessons Learned		Ali Baziari/Steve Carr/Don Skelton/Vince Hock			
1200	Keynote Luncheon Infrastructure – Vince Hock, ERDC-CERL					
1300	Announce Student Poster Winners – 1 st Place Brian Schertz/2 nd Place Xiaojiang Wang					
	Session A – Ground Systems Mike Dyszynski, Session Chair Carl Handsy, Co-chair		Session B – Aviation & Missiles Steve Carr, Session Chair Robert Herron, Co-Chair		Session C – Facilities Vince Hock, Session Chair Rich Lampo, Co-chair	
Time	Topic	Speaker	Topic	Speaker	Topic	Speaker
1330	Simulation & Modeling of Full Vehicle Corrosion	Carl Handsy, TARDEC	Missile Weapons Systems CPC	Donald P Smallwood, AMCOM	Using Bonding Enamel-Coated Steel Fixtures to Produce More Durable Brick/Masonry Structures	Philip Malone, ERDC
1350	Predicting Corrosion Impacts on Materiel Availability	James Ellor, Elzly Technology Corporation	Airframe Condition Evaluation Corrosion Prevention & Control Evaluation	Don Duran, AMRDEC/AMS /Camber Corporation	Moisture Control Using Intelligent Single-Well Electro-Osmotic Dewatering Systems	Orange Marshall, ERDC-CERL
1410	Excerpts for AMSAA's M109A6 Paladin Starter Motor Corrosion Analysis	Brian Frymiare, U.S. Army Materiel Systems Analysis Activity	Smart Sensor Network for Aircraft Corrosion Monitoring	Fritz Friedersdorf, Luna Innovations Inc.	Coatings and Corrosion Removal Facilities Using Air-Operated Abrasive Blasting Equipment	Bob Kerr, Clemo Industries Corp.

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Wednesday, Day 2 (Continued)

	Session A – Ground Systems Mike Dyszynski, Session Chair Carl Handsy, Co-chair		Session B – Aviation & Missiles Steve Carr, Session Chair Robert Herron, Co-Chair		Session C – Facilities Vincent Hock, Session Chair Rich Lampo, Co-chair	
Time	Topic	Speaker	Topic	Speaker	Topic	Speaker
1430	An Overview of Applied Research & Testing for the Corrosion Control of USMC Ground Weapon Systems	Lauren Paladino, Elzly Technology Corporation	The Evolution of Protective Covers for Army Aviation and Missile Systems	Chad Hellums, AMCOM Corrosion Program Office	Testing for Stray Current Corrosion in Earth Covered Magazines with Electro-Osmotic Pulse	Orange Marshall, ERDC-CERL
1450	Use of High Purity Aluminum to Replace Cadmium on Fasteners and Electrical Shell Connectors	Carl Handsy	Army Aviation Corrosion Engineering Case Studies	Dan Groner, AMRDEC	Mixed Oxidant Process for Control of Biological Growth in Cooling Towers	Susan Drozd, ERDC-CERL
1510	Break					
1530	Impact of Corrosion on Ground Vehicles, Field Site Operations	Greg Bock, VSE Corporation	CPC Efforts in Army Aviation	Ted Wiesner, AMCOM Corrosion Program Office	CPC Demonstration Technology Transfer – Enabling the Transition from Emerging Technology to Common Practice	Gary Schanche, ERDC-CERL
1550	Impact of Corrosion Vehicles, Field Fix Solutions	Doug Chilton, DCM Clean Air Products, Inc.	Data Analysis Supporting Army Aviation Corrosion Control & Prevention Investment Decision	Wayne Bruno, AMCOM G3	Design and Performance Monitoring Thermo-plastic Composite Vehicular Bridge	Richard Lampo, ERDC CERL
1610	Impact of Corrosion on Ground Vehicles, the CPAC Program Management Database	Vikash Gupta, Field Data Technology	U.S. Army Aviation Logistics School CPC Training	Rocky Tipps, TRADOC	Demonstration of Fiber Reinforced Polymer Composite Bridge Decking as a Replacement for Deteriorated Steel Reinforced Concrete Bridge Decking	Richard Lampo, ERDC-CERL
1630					In-Situ Coating of Sheet Pile Naha Military Port, Okinawa, Japan	Susan Drozd, ERDC-CERL
1650	Adjourned					

2010 Army Corrosion Summit Agenda

February 11, 2010

Thursday – Day 3

	Session A – Equipment Don Skelton, Session Chair Roger Hamerlinck, Co-chair		Session B – Infrastructure Mike McInerney, Session Chair Eddy Smith, Co-chair		Session C – RDT&E Pauline Smith, Session Chair Fred Lafferman, Co-chair	
Time	Topic	Speaker	Topic	Speakers	Topic	Speaker
0700	Registration –Breakfast on your own					
0800	Proper Removal of Soluble Salts after Detecting Their Presence & Preventing Premature Coating Failures & to Enhance Straightforward Maintenance Procedures	Regis Doucette, Chlor*Rid International	The Use of Zinc-Lead Composites to Prevent Corrosion of Lead	Sean Morefield, ERDC-CERL	Environmentally Friendly Coating Systems for Department of Defense Applications	Nathan Silvernail, PPG Industries, Inc.
0820	Corrosion Prevention of Army Equipment in 21 st Century	Peter Morgan, BAE Systems	Self Healing Coating for Sustainable Infrastructure	L. D. Stephenson, ERDC-CERL	Characterizing the Degradation of Army Primers by the AC-DC-AC Test Method	Vinod Upadhyay, NDSU
0840	U.S. Marine Corps Corrosion Prevention & Control (CPAC) Program Overview	Matthew Koch, U.S. Marine Corps CPAC Program Office	Producing Durable Continuously Reinforced Concrete Pavement Using Glass-Ceramic Coated Reinforcing Steel	Sean Morefield, ERDC-CERL	The Effect of Dopants on the Corrosion Inhibition Provided by Polypyrrole	Victoria Gelling, NDSU
0900*	Not Your Ordinary Shrink-Wrap	Bill Lowery, Transhield, Inc.	Corrosion Resistance of Enamel-Coated Steel Rebar	Mike Koenigstein, Missouri University of Science & Technology	Polypyrrole-Molybdate Al Flake Composite Coating for Corrosion Protection of AA 2024-T3	Victoria Gelling, NDSU
0920	Fabric Structures for Corrosion Prevention	Amy Soo Lagoon, Natick	Demonstration of a Corrosion-Resistant Fire Hydrant Retrofit System Which Also Protects Against Deliberate Contamination of Critical Army Water Distribution Water Supply	Eddy Smith, ERDC-CERL	Simulation of Electrochemical Impedance Spectroscopy Response to Coating Flaws	Stuart Croll, NDSU

*0900 and 1300: Tours of Redstone Arsenal Corrosion Laboratory, Prototype Integration Facility, NASA

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February 11, 2010

Thursday – Day 3 (Continued)

	Session A – Equipment Don Skelton, Session Chair Roger Hamerlinck, Co-chair		Session B – Infrastructure Mike McInerney, Session Chair Ed Smith, Co-chair		Session C – RDT&E Pauline Smith, Session Chair Fred Lafferman, Co-chair	
Time	Topic	Speaker	Topic	Speakers	Topic	Speaker
0940	Protecting Stored Critical Parts from Corrosion and Heat Damage	Chip Crotty, Cocoon, Inc.	Use of Dilute Flowable Backfill for Corrosion Mitigation of Buried Pipe	Scott Lux, ERDC-CERL	Prediction of Coating Degradation Based on Electrochemical Polarization	L.D. Stephenson, ERDC-CERL
1000	Break – Continental Breakfast					
1020	Armaments Related Corrosion Studies and Sensor Prototyping	Daniel Schmidt, U.S. Army ARDEC	Performance of FRP Connectors for Seismic Rehab of Michie Stadium, West Point Military Academy, NY	Orange Marshall, ERDC-CERL	Anti Corrosion Nanotechnology Solutions for DoD Application	Lars Ericson, ManTech
1040	Development Efforts for Improved M2A1 Container Coatings	Jules Senske, U.S. Army ARDEC	Using Natural Cementation Systems to Control Corrosion Dust on Un-surfaced Roads	Paul G. Allison, ERDC-CERL	The Effect of Chlorides on the Correlation of Accelerated Laboratory Corrosion Test to Outdoor Exposure Test for Ceramic-Aluminum Couples	Lloyd Hihara, University of Hawaii
1100	Corrosion Resistance of Weapon Lubricants	Joe Menke, U.S. Army, ARDEC	Corrosion Potential Monitoring for Polymer Composite Wrapping and Galvanic CP System for Reinforced Concrete Marine Piles	David Bailey, ERDC-CERL	Microstructural, Mechanical, & Corrosion Properties of 6061 Aluminum Alloy Cold Spray Coatings on Magnesium Alloys	Phil Leyman, ARL
1120	Corrosion Control & Asset Protective via Packaging	Ken Hill, U.S. Army	Implementation Of A Novel Structural Health Management System For Steel Bridges	Rob Mason, CTC		
1140	Maintaining Corrosion Protection by Anticipating Increased Environment, Safety & Health Requirements	Patrick Taylor, Hughes Associates	The Use of Organic Humectants and Non-Corrosive Dust Control Agents	Sean Morefield, ERDC-CERL	Chemical and Materials Information Management for Sustainable Engineering and Design	Wayne Ziegler, ARL
1200	Lunch – on your own					

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February 11, 2010

Thursday – Day 3 (Continued)

	Session A		Session B		Off Site Tour	Session C – RDT&E Pauline Smith, Session Chair Fred Lafferman, Co-chair	
Time	Topic	Speaker	Topic	Speaker	Tours of Redstone Arsenal Corrosion Laboratory, Prototype Integration Facility, NASA	Topic	Speaker
1300	Corrosion Lessons Learned 2010	Joe Menke, U.S. Army ARDEC	Eliminating Cr ⁶⁺ , Cd, and Other Hazardous Materials without Compromising Performance	Keith O. Legg, ASETS Defense Technical Manager			Product Performance Verification for Highly Corrosive Environments
1320					Polymer Film Technology for Retarding or Preventing Corrosion		Donna Visioli, DuPont Company
1400	Summit Adjourned						
1500	Break						
1520	Wrap Up/Action – by invitation			Larry Gintert/Roger Hamerlinck			
1600	Report Lessons Learned – by invitation			Roger Hamerlinck			
1700	Adjourned						

*0900 and 1300: Tours of Redstone Arsenal Corrosion Laboratory, Prototype Integration Facility, NASA