



59th Defense Working Group on Nondestructive Testing

Kingsmill Conference Center, Williamsburg, VA

5 – 9 December 2011



AGENDA

Sunday Evening Registration, 1600 – 2000

Monday, December 5, 2011

Registration, 0700 – 1000

Training Sessions, 0800 – 1500

Digital Radiography – Advanced Training

Phased Array Ultrasonic – Advanced Training

Eddy Current – Intermediate Training

VT, PT, MT, ET, UT, RT -- Basic/Intermediate Training

Service Breakout Meetings, 1530 - 1730



U.S. Army, Ms. Midge Krueger / Mr. Dave Katz

A structured, closed meeting to discuss NDT issues, technologies, problems and innovations specific to the Army Community.



U.S. Navy, AMC(AW) Adam Abbott / Ms. Melanie Kerns

A structured, closed meeting to discuss NDT issues, technologies, problems and innovations specific to the Navy Community.



U.S. Air Force, Mr. Calvin Moore / MSgt Deborah Spencer

A structured, closed meeting to discuss NDT issues, technologies, problems and innovations specific to the Air Force Community. Additionally FY12 Equipment Buys/Concerns, MAJCOM Breakout, Q&A, ending with a BM&G session.

Registration, 1700 – 1900

Speaker/Presenters Meeting, 1900



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Tuesday, December 6, 2011

Registration, 0700 – 0830

MAIN SESSION

Tuesday Morning:

Session Chair: Ms. Gina Caudill, Chairperson

Assistant: Ms. Karen Bruer, Executive Secretary/Treasurer

- 09:00 Call to Order, Ms. Gina Caudill, Chairperson
- 09:05 Opening Remarks, Ms. Gina Caudill, Chairperson
- 09:10 Welcome Address
- 09:25 Keynote Address
- 09:55 Williamsburg Welcome
- 10:10 Break
- 10:35 Introduction of Steering Committee Members and Nominees, Ms. Karen Bruer
- 10:45 **Paper 1:** Qualification/Credibility of Level III's; Dr. Al Broz, FAA
- 11:15 **Paper 2:** F-35 Flight Test Support Lessons Learned; Mr. Paul Kulowitch, Navy
- 11:45 **Paper 3:** Magnetic Particle Inspection of Repeatable Release Holdback; Mr. Paul Davidson, DCMA
- 12:15 Session Closing Remarks and Announcements
- 12:30 Lunch

Tuesday Afternoon:

Session Chair: Mr. Paul Davidson, Senior DCMA

Assistant: Ms. Melanie Kerns, Junior Navy

- 13:40 Service Break-Out Briefings: DWGNDT Steering Committee Members
- 14:55 **Paper 4:** Use of CR for Crack Detection in the USAF; Mr. Ken LaCivita, USAF
- 15:25 **Paper 5:** NDT efforts for the 120 mm mortar failure investigation, Ms. Joanna Bonfiglio, Army
- 15:55 Break
- 15:20 **Paper 6:** USAF Field Program Review, MSgt Siewert, USAF
- 15:50 **Paper 7:** UT Immersion Inspection System for Cannon Gun Tubes; Mr. David Le, Army
- 16:20 Session Closing Remarks and Announcements
- 16:30 Adjourn Session



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Wednesday, December 7, 2011

Registration, 0700 – 0800

Wednesday Morning:

Session Chair: Ms. Midge Krueger, Senior Army

Assistant: MSgt Deborah Spencer, Junior Air Force

- 08:30 Opening Remarks and Administrative Announcements
- 08:35 **Paper 8:** Improved Methods for Ultrasonic Inspection of Large Carbon Fiber Composite Wing Structure. A case study of the RQ-4 Wing Inspection Program, Mr. Jesse A. Skramstad, NDT Solutions, Inc.
- 09:05 **Paper 9:** Federal Working Group on Industrial Digital Radiography Status Report; Mr. Jim Prindiville, FWGIDR
- 09:35 **Paper 10:** Ultrasound Camera: A Solution to Lack of Trained NDI Technicians in Military Settings; Mr. Bob Lasser, Imperium Inc.
- 10:05 Break
- 10:30 **Paper 11:** The Use of Dry Ice Cleaning for Aluminum Weld Preparations and Multi-Application Corrosion Removal; Ms. Karen Bruer, Amee Bay, LLC
- 11:00 **Paper 12:** Inspection of Shot Peened Engine Components in Regions with Fretting Damage; Dr. Neil Goldfine, JENTEK
- 11:30 **Paper 13:** PSM-5 Panel Problems and Trouble Shooting; Mr. Robert Siegel, Sherwin Inc.
- 12:00 Session Closing Remarks and Announcements
- 12:05 Vote for Steering Committee
- 12:10 Lunch

Wednesday Afternoon:

Session Chair: Mr. Calvin Moore, Air Force

Assistant: Mr. David Katz, Junior Army

- 13:15 Results of Voting, Ms. Karen Bruer
- 13:20 **Paper 14:** Microwave Interferometry Solution to Inspection Challenges in Composites; Mr. Karl Schmidt, Evisive Inc.
- 13:50 **Paper 15:** Computed Radiography, Controlling the Process; Mr. Larry Culbertson, VMI
- 14:20 Break -
- 14:50 **Paper 16:** Depth Measurement of Surface Damage; John Chadwick, J Chadwick Company
- 15:20 **Paper 17:** Phased Array Inspection Techniques and Software Modeling for Complex Components; Mr. Patrick Tremblay, Zetec
- 15:50 Session Closing Remarks and Announcements
- 16:00 Adjourn Session
- 18:00 Social



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Thursday, December 8, 2011

Thursday Morning:

Session Chair: AMC(AW) Adam Abbott, Senior Navy

Assistant: Mr. George Hodges, FWGIDR Liaison, Army

- 08:30 Opening Remarks/Administrative Announcements
- 08:40 **Paper 18:** TRI Service Manual for Nondestructive Inspection Update; Mr. Terry Davis, USAF
- 09:10 **Paper 19:** Specialized NDT Techniques Support the Requalification of LAU-10 Rocket Launchers; Mr. Albert Birks, NSWC
- 09:40 **Paper 20:** Automated Tap Hammer for Honeycombed Composite Inspections; Mr. Adam Barrett, Navy
- 10:10 Break
- 10:40 **Paper 21:** Understanding Requirements: How to Write a Successful Statement of Work, Ms. Julia Roquemore, DLA
- 11:10 Open Forum & Discussion, possible solutions for issues brought forth in service breakouts lead by Senior Service Steering Committee Members.
- 11:30 60th DWGNDT – St Augustine FL Brief, Mr. Paul Kenny – US Navy
- 11:40 Awards and Presentations
- 11:55 Conference Closing Remarks
- 12:00 DWGNDT Conference Adjournment

Thursday Afternoon: 13:00 -- **Tour of US Army Aviation Logistics School**

Concurrent Sessions immediately following DWGNDT

USAF
13:00 Air Force Breakout Meeting
13:10 Ogden ALC Discussions (Mr. Ward Fong)
15:10 Break
15:30 AF NDI Program Briefings (Mr. Michael Paulk)
15:45 AFI 20-114 Discussions
16:30 NAS 410 Discussions
17:30 Adjourn Air Force Breakout Meeting

FWGIDR
1300-1600
Introductions and General Comments
Task Team Reports: Training System Qualification Information and Data Management Hardware CR Round-Robin status Monitor information and selection data
Q&A Session: What, if any, new teams or projects are necessary.
Discussion of FWG involvement with ASNT



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Friday, December 9, 2011

USAF
08:00 Air Force Breakout Meeting
08:10 Warner Robins ALC Discussions (Mr. Tommy Mullis)
10:10 Break
10:30 Oklahoma City ALC Airframe Discussions (Mr. David Campbell)
12:00 Lunch
13:15 Engine NDI Discussions (Mr. David Campbell)
14:15 Engine OAP Discussions (SMSgt Shawmarie James)
15:10 Break
15:30 Air Force NDI Managers Meeting (Mr. Michael Paulk)
15:30 Air Force NDI Managers Meeting (Mr. Michael Paulk)
17:30 Adjourn Air Force Breakout

FWGIDR
0800-1200
Possible Vendor invitation to the 2012 FWG meeting after the Digital Imaging Conference
Problems with Film availability and future concerns
JEDEC/electronics discussion
Film to DR transitional Discussion Problems Successes
Closing Comments / Adjourn

Additional information may be found on: <http://www.dwgndt.org>