



Agenda

MONDAY, June 22, 2009

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| Track 1 | Additive Manufacturing |
| Location: | N Peace Pipe |
| Facilitator: | Glenn Zinkus, DemVal |
| Track 2 | MRO Technologies |
| Location: | S Peace Pipe |
| Facilitator: | Bruce Bodger, DemVal |

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| 8:00 am - 8:15 am | REGISTRATION IN FRONT OF THE PALO VERDE | Welcome | |
| 8:15 am - 9:00 am | | <i>Shockwave Induced Spraying: A New Cost-Effective Solid-State Spraying Process</i> Julio Villafuerte Centerline | <i>Improved TBC 5100 Engines and Micro Composite Coatings for Chrome Replacement</i> Andy Sherman MesoCoat |
| 9:00 am - 10:00 am | | <i>Industrial Hygiene Evaluation Results for Portable Laser Coating Removal Systems</i> John Joyce Battelle | <i>LPB as a Major MRO Technology for Rejuvenation and Recycling of Turbine Engine Propulsion Components</i> Dr. Jay Lambda Technologies |
| 10:00 am - 10:45 am | | <i>Thermionic Cleaning, Development of an Environmentally Friendly Method for Cleaning Materials</i> Matthew Brinkman ATC | <i>Improved Thermal Spray Consistency via Plume Sensors</i> John Sauer Sauer Engineering |
| 10:45 am - 11:30 am | | <i>Assessing Manufacturing and Technology Readiness</i> Tom Lastoskie Innovative Technologies Corp. | <i>Process Compensated Resonance Testing</i> Trista Sloan Vibrant |
| 11:30 am - 1:00 pm | | NETWORKING LUNCHEON in the Cholla | |
| 1:00 pm - 1:45 pm | | <i>Ion Fusion Formation: An Alternative Additive Manufacturing Process</i> Rob Adams Honeywell | <i>HVOF Masking Tape</i> Bill Noonan Saint-Gobain |
| 1:45 pm - 2:15 pm | | <i>Laser Additive Manufacturing</i> Paul Story Flight Support | <i>Nondestructive Laser-Ultrasonic Inspection of HVOF Coatings</i> Alan Blouin CNRC-NRC |
| 2:15 pm - 3:15 pm | | <i>R3S Repair, Refurbishment, and Return to Service of Aging Weapon Systems Using Advanced Material Processing Technologies</i> Bill Arbegast South Dakota School of Mining and Technology | <i>Fixture Design Tool</i> Dennis Paul Virtual Technology Services, LLC |
| 3:15 pm - 4:00 pm | | <i>Advances in Laser Applications: Coating Removal, Laser Welding, and More</i> Kevin Arnold ROFIN-SINAR | <i>Advanced Sensors in Special Processes</i> John Sauer Sauer Engineering |
| 4:00 pm - 4:30 pm | | <i>Handheld Laser Welding Program Review</i> Glenn Zinkus DemVal | <i>ID HVOF for Landing Gear, SPS Coating for TBCs</i> Alan Burgess Mettech |
| 4:30 pm - 5:00 pm | <i>RTOC Technical Implementation Plans</i> George Perley ITC | <i>ACAM Program Review</i> Alan Burgess Mettech | |
| 6:30 pm - 8:30 pm | SOCIAL at Julio G's | | |

TUESDAY, June 23, 2009

GENERAL SESSION

Location: Sunshine

| 8:00 am - 5:00 pm | | Registration |
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| 8:00 am - 8:05 am | Registration in the Sunshine Foyer | Welcome |
| 8:05 am - 8:30 am | | Director of Propulsion Col Paul Waugh 327 th ASW/CC |
| 8:30 am - 9:00 am | | 309 th CMXG Update Pat Doumit 309 th CMXG/CL |
| 9:00 am - 9:30 am | | Open Rotor Propulsion Steve Csonka GE Aviation |
| 9:30 am - 10:15 am | | PurePower PW1000 Engine Steve O'Flarity Pratt & Whitney |
| 10:15 am - 10:30 am | | BREAK |
| 10:30 am - 11:00 am | | Crawler Robot, A Summary of Development Activity at Tinker Tom McDonald Triton Systems |
| 11:00 am - 11:30 am | | Air Force Alternative Aviation Fuels John Datko AFRL/RZPL |
| 11:30 am - 1:00 pm | | Networking Lunch in the Cholla with Ralph Scatena, Camelback Inn |
| 1:00 pm - 1:30 pm | | Commercial Alternative Aviation Fuels Initiative Michael Baer US Airways |
| 1:30 pm - 2:00 pm | | Capabilities and Expertise Overview Bill Wood Portland State Univeristy |
| 2:00 pm - 2:30 pm | | ASETSDefense and the Surface Engineering Database Keith Legg Rowan Technology Group |
| 2:30 pm - 3:00 pm | | ID HVOF for Landing Gear, SPS Coating for TBCs Alan Burgess Mettech |
| 3:00 pm - 3:30 pm | | Enhancing Sustainability of Machining Processes Chandy Purdue University |
| 3:30 pm - 4:00 pm | | Advances in Friction Stir Welding and Processing Bill Arbegast South Dakota School of Mining and Technology |
| 4:00 pm - 4:30 pm | | FSW of Hard Materials Brian Bishop EWI |
| | | ADJOURN |

BREAKOUTS (By Invitation Only)

1:00 pm - 5:00 pm RTOC TIP Reviews

1:00 pm - 5:00 pm Advanced Coatings

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| 8:00 am - 5:00 pm | Registration | |
| 8:00 am - 8:05 am | Registration in the Sunshine Foyer | Welcome |
| 8:05 am - 8:30 am | | PEWG 101 Mickey Conklin 327 th ASW/YP |
| 8:30 am - 9:00 am | | ESOH Risk Management in Weapon System Acquisition Ted Grady ASC/EN |
| 9:00 am - 9:30 am | | FY10 Projects Brian Tobin ASC/ENVV |
| 9:30 am - 10:00 am | | Pollution Prevention Program Jim Tankersley Battelle |
| 10:00 am - 10:30 am | | Eco-Protective Products Rick Jones Innovation Energy Solutions |
| 10:30 am - 11:00 am | | Defense Contract Management Agency Overview Becci Murtha DCMA |
| 11:00 am - 11:30 am | | Microcomposite Coatings Greg Engleman MesoCoat |
| 11:30 am - 12:00 pm | | Lead Free Overview Pb-Free Electronics Risk Management (PERM) Consortium Framework Chapters for PERM Consortium Executive and Steering Committees David Humphrey Tim Kalt Gary Latta Honeywell 312 th AESW Naval Surface Warfare Center |
| 12:00 pm - 1:00 pm | | Lunch with Col Paul Waugh, 327 th ASW/CC |
| 2:00 pm - 2:30 pm | | Lead Free Soldering Technologies Government Pb-Free Electronics Efforts David Humphrey Tim Kalt Gary Latta Honeywell 312 th AESW Naval Surface Warfare Center |
| 2:30 pm - 3:00 pm | | Fleet Readiness Center East Technology Efforts Yogi Kestler AIR-4.0T |
| 3:00 pm - 3:30 pm | | Materials Joining Developments Matt White EWI |
| 3:30 pm - 4:00 pm | | Assessing Manufacturing and Technology Readiness Tom Lastoskie Innovation Technologies Corp |
| 4:00 pm - 4:30 pm | | Thermionic Cleaning Jim Reynolds ATC |
| 4:30 pm - 5:00 pm | Fixture Design Tool Denis Paul Virtual Technology Services LLC | |
| | ADJOURN | |

WEDNESDAY, June 24, 2009 2nd Annual S3C Working Group

Location: Salon E

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| 8:00 am - 5:00 pm | |
| | Welcome & Open Remarks |
| | Introductions |
| | Background on Sustainment Technology Process Improvements MOA, Guidance Memorandum, AFMCI 61-103, and S3C Construct |
| | TWG Construct Rolls & Responsibilities, Expectations, Structure-Membership, Charters, CONOPS, Working within STP |
| | ALC TWG Leadership Options Development |
| | TWG Inputs/Outputs Sustainment Strategy, Needs Identification/Generation, Customer/User Buy In, Technology Transition Plans, Prioritization, TAG Needs Management and Implementation |
| | TWG Presentations/Roadmap Review Propulsion Sustainment, Airframe Sustainment, Combat Sustainment, MRO&P Sustainment |
| | TWG Participants AFRL Representatives, MAJCOM Representatives |
| | Resources Manpower, Internal Funding Sources, External Funding Sources |
| | Project Management Technology Assessments, TRLs & MRLs |
| | Business Case Analysis EA, ROI, CBA |
| | Project Execution |
| | Implementation |
| | ADJOURN |

THURSDAY, June 25, 2009

SMRRP Program Management Review (By Invitation ONLY)

Location: Sunshine

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| 8:00 am - 8:10 am | Administrative |
| 8:10 am - 8:30 am | Welcome Col Paul Waugh 327 th ASW/CC |
| 8:30 am - 9:00 am | GE's Vision for the Future of SMRRP |
| 9:00 am - 9:30 am | Pratt & Whitney's Vision for the Future of SMRRP |
| 9:30 am - 9:45 am | Navy Material Recovery Update |
| 9:45 am - 10:00 am | ELG Metals Vision and Update |
| 10:00 am - 10:15 am | BREAK |
| 10:15 am - 10:45 am | Pilot Program Challenges Mickey Conklin 327 th ASW/YP |
| 10:45 am - 11:30 am | Forum |
| 11:30 am - 12:30 pm | LUNCH |
| 12:30 pm - 1:00 pm | DRMS Vision for the Future of SMRRP |
| 1:00 pm - 1:45 pm | Expansion and Methods of Support |
| 1:45 pm - 3:00 pm | Process Forum with Navy, ELG Metals, and C&C Alloys |
| 3:00 pm - 3:15 pm | BREAK |
| 3:15 pm - 4:30 pm | Review Saved List Item-by-Item with GE and Pratt & Whitney |
| | ADJOURN |