DEFENSE MANUFACTURING CONFERENCE
NOV. 29 - DEC. 2, 2010
THE VENETIAN, LAS VEGAS, NEVADA

DMC 2010

"Achieving an Innovative, Responsive and Sustainable National Security Industrial Base"

CONFERENCE PROGRAM
The Defense Manufacturing Technology Achievement Award serves to recognize and honor individuals, both government and private sector, most responsible for outstanding technical accomplishments and contributions in achieving the vision of the DoD ManTech Program.

These awards promote a responsive, world-class manufacturing capability to affordably and rapidly meet warfighter needs throughout the defense system life cycle; and were selected based on the following criteria:

- Manufacturing Technology Achievement
- Transition/Implementation
- Potential or Realized Benefits

We want to thank the 2010 Defense Manufacturing Technology Achievement Award nominees for their commitment to manufacturing and technological innovations for the Warfighter.

3D “Official” ESA Data Environment, National MEP Network Pilot Chain Demonstration
Team Members:
Steve Luckowski, Government Program Manager
Sanjay Parimi, ARDEC Project Officer
Paul Villanova, Project Lead
David W. Robinson P.E., UTRS
Ed Bacheson, DSN Innovations
Dennis Thompson, DSN Innovations
Dick Tiano, SCRA
Ken Adkins, Defense Supply Center, Columbus (DSCC)
Dave Stieren, NIST
John Christensen, OSD

High Power, High Energy Density Lithium-Ion Batteries
Team Members:
Sonya Zanardelli, US Army RDECOM-TARDEC, Ground Vehicle Power & Mobility
Dr. T. Richard Jow, US Army RDECOM, Army Research Laboratory
Gus Khalil, US Army RDECOM-TARDEC, Ground Vehicle Power & Mobility
David Skalny, US Army RDECOM-TARDEC, Ground Vehicle Power & Mobility
Dr. Laurence Toomey, US Army RDECOM-TARDEC, Ground Vehicle Power & Mobility
Scott Ferguson, Satl America, Inc.
Jim Hess, Satl America, Inc.

Affordable Weapons Datalinks Insertion (AWDI)
Team Members:
Dilip Punatar, Air Force Research Laboratory (AFRL) - Materials & Manufacturing Directorate, Manufacturing Technology Division, Electronics Branch (AFRL/RXME)
James Poindexter, Integration and Technology Branch (AFRL/RXMT)
Dennis Mukai, General Dynamics Information Technology (GDIT)
John Blevins, Aerospace Component & Subsystems Technology Division (AFRL/RYY)
David (Glen) Via, Aerospace Component & Subsystems Technology Division (AFRL/RYY)
Carl Welty, Rockwell Collins, Precision Strike Program Management
Lisa Schreithart, Rockwell Collins, Strategic Weapons & Range Datalinks
Chenggang Xie, Rockwell Collins, Core RF Technologies
Don Landt, Rockwell Collins, Advanced Radio Systems
Dennis Sly, Rockwell Collins, Advanced Operations Engineering

Strengthening Economic and Technological Competitiveness of the U.S. Defense Industrial Base for Traveling Wave Tube Amplifiers for Space Applications
Team Members:
Jason Reber, Air Force Research Laboratory - Materials & Manufacturing Directorate, Manufacturing Technology Division (AFRL/RXMP)
Jeff Smith, Air Force Research Laboratory - Materials & Manufacturing Directorate, Manufacturing Technology Division (AFRL/RXMP)
Norm Willis, Air Force Research Laboratory - DPA Title III Contracting Branch (AFRL/PKMD)
Diego Zanona, L-3 Communications Electron Technologies, Inc
Helen Limburg, L-3 Communications Electron Technologies, Inc
Josh Wiedemann, Northrop Grumman Corporation, Technical Services
Three Dimensional Airfoil Inspection (3DAI)
Team Members:
John Crabill, Air Force Research Laboratory - Materials & Manufacturing Directorate, Manufacturing Technology Division (AFRL/RXM)
Jason Blake, Air Force Research Laboratory - Materials & Manufacturing Directorate, Manufacturing Technology Division (AFRL/RXM)
Dave Dombrowski, GE Aviation
Dr. Joe Ross, GE Aviation
Kong Ma, Rolls Royce
David Rice, Intuitive
Tom Jones, Howmet
Jim Barrett, PCC Structurals
Phil Craig, GE-CCP

Low Observable Maintainability-Seal Extrusion Development and Demonstration (SEDD)
Team Members:
Jennifer Brown, Air Force Research Laboratory - Materials & Manufacturing Directorate, Manufacturing Technology Division (AFRL/RXM)
Gary Scrivner, Lockheed Martin Aeronautics
Douglas Carter, Air Force Research Laboratory - Materials & Manufacturing Directorate, Survivability and Sensor Materials Division (AFRL/RXP)
Brian Milligan, Joint Strike Fighter Program Office - First Principles Incorporated
John Schueler, Lockheed Martin Aeronautics
Randall Reed, Lockheed Martin Aeronautics
Jedediah Young, Lockheed Martin Aeronautics
Matthew Behm, Lockheed Martin Aeronautics
Judy Snow, ARC Technologies, Incorporated
Michael Heafey, Cuming Microwave Corporation

HSLA-115 Implementation for CVN 78
Team Members:
Mike Bjornson, Naval Sea Systems Command (NAVSEA 05) and (PMS 378)
Larry Brown, Navy Joining Center/Edison Welding Institute
Ernie Czuryca, DOL OMNI
Paul Konkol, Navy Metalworking Center (NMC)/Concurrent Technologies Corporation (CTC)
Greg Pike, Northrop Grumman Shipbuilding Newport News (NGSB)
Kevin Stefanick (NMC/CTC)
Juan Valencia (NMC/CTC)
Alex Wilson (Arcelor-Mittal USA)
Rick Wong (NSWCCD)
Anna Yarashus (NGSB)

Predicting the Performance of Critical Cast Parts on Weapons Systems
Team Members:
Dean Hutchins, Defense Logistics Agency
Christoph Beckermann, University of Iowa
Richard Hardin, University of Iowa
Raymond Monroe, Steel Founders Society of America
Malcolm Blair, Steel Founders Society of America
David Powellet, Steel Founders Society of America
Thornton White, ATI

Collaboration Procurement Support for Problematic Metalcasting Sustainment Parts
Team Members:
Ryan Moore, Non-Ferrous Founders' Society
Thornton White, American Metalcasting Consortium
Joe Napier, CAST-IT
Keith Sturgill, CAST-IT
Dave Powellet, CAST-IT
Dean Hutchins, DLA DORRA
Dwayne Porter, DLA Land & Maritime
Dale Roberts, DLA Aviation

Weld Seam Facing and Back Gouging
Team Members:
John Foster, General Dynamics - Bath Iron Works
Stephen Davis, General Dynamics - Bath Iron Works
Robert Kirkwood, Northrop Grumman Shipbuilding – Gulf Coast
Kevin Roossinck, Northrop Grumman Shipbuilding – Gulf Coast
Tim Fredhoff, Navy Metalworking Center/Concurrent Technologies Corp.
Bruce Horn, Navy Metalworking Center/Concurrent Technologies Corp.
Kyle Reaebuck, Navy Metalworking Center/Concurrent Technologies Corp.
Gene Franke, Naval Surface Warfare Center – Carderock Division
Richard Zebrowski, PMS 500 DDG 1000 Program Office
Edwin Erbacher, PushCorr., Inc.

Ballistic Protection for Gasoline Tanker Trucks
Team Members:
Neil Graf, Office of Naval Research, Navy ManTech
Ballistic Protection for Gasoline Tanker Trucks
Danna Kelley-Haddad, SCRA, Composites Manufacturing Technology Center
Trent Garbor, Composite Materials Research & Development
John Harvey, Composite Materials Research & Development
Julie Tsao, Program Manager, Defense Logistics Agency

Power Sources Technology Roadmap
Team Members:
Marc Gietter – US Army Power Division, CERDEC
Dr. John Erbacher – USAF Wright Labs
Samuel Stuart – US Navy Crane
Frank Sokolowski – DCMIA Industrial Analyst Center
Charlie Neal - Integrated Manufacturing Technology Initiative
Jim Gucinski – Tiburon Associates
Mervin Wilkerson – Tiburon Associates