



## **CNST Hosts Navy ManTech/CVN-21 Meeting**

The Center for Naval Shipbuilding Technology hosted Navy ManTech's quarterly review of CVN 21-related projects on October 27, 2004, in Charleston, S.C. Representatives from ONR, the CVN 21 Program Office, NAVSEA, Northrop Grumman Newport News, the National Center for Excellence in Metalworking Technology (NCEMT) and CNST reviewed the progress of ongoing ManTech-funded projects that support the CVN 21 construction efforts for the next generation aircraft carrier.

CNST Director Ron Glover provided a brief overview of CNST, Navy ManTech's newest Center of Excellence. With the recent commencement of CNST operations, authorized and funded in June 2003, many attendees were not familiar with the CNST mission – to identify, develop, and deploy advanced manufacturing technologies in U.S. shipyards, reducing the cost and time to build and repair Navy ships.

NCEMT, another ManTech Center of Excellence, presented updates on five ongoing projects that support the CVN 21 construction program; specifically, Availability of Shielded Metal Arc Welding (SMAW) Electrode for Ballistic Performance Requirements, Elimination of Weld Distortion for Heavy Plate, Development of Low Manganese Flux Core Welding Electrodes, Fabrication of Titanium Components, and High Strength and Toughness Naval Steels for Ballistic Protection.

John Carney, Director of the Navy ManTech Program, provided an update on the Navy ManTech program, including recent changes in personnel, a roadmap for the future and project transition plans.

Primary investigators for CNST projects were on hand to provide overviews of the four CNST-funded projects that support CVN 21, including, Digital Radiography, Wireless Automated Diagnostics/Prognostics for Diesel Engines, Predictive Weld Distortion and Welding HSLA-100 Using High Heat Input and Low Preheat. Post brief analysis by Eric Pitt, PMS 378, CVN-21 Program Executive Office, concluded that the CNST project efforts fully support the CVN-21 construction initiatives and should provide significant process improvements as the projects transition into production operations.

### **About CNST**

CNST is a Navy ManTech Center of Excellence, chartered by the Office of Naval Research (ONR) to identify, develop and deploy, in U.S. shipyards, advanced manufacturing technologies that will reduce the cost and time to build and repair Navy ships. For additional information on this and other CNST projects, please visit [www.cnst.us](http://www.cnst.us).

