



ETC

ENERGETICS TECHNOLOGY CENTER

A CATALYST FOR ENERGETICS
RESEARCH AND DEVELOPMENT

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Welcome from CECD Director Dave Anand

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I am pleased to present the first newsletter for ETC. We will be sending this periodically to keep our friends and supporters informed of ETC/CECD activities.

I welcome our new ETC Executive Director, Dr. Richard Nadolink, profiled on page 2 of this newsletter. We're looking forward to working together to establish a strong organization in Southern Maryland.

Press Conference and Ribbon Cutting

A Press Conference and Ribbon Cutting to launch the Energetics Technology Center was held on October 12, 2006 at the new ETC Development Office in La Plata, MD. Federal, state, and local leadership were in attendance. The event marked another milestone in the ETC project and celebrated the over \$7 million of funding that has been secured to begin the project.

Officiating were CECD Director Dr. Davinder K. Anand and ETC Director Richard H. Nadolink. Elected officials present for the ribbon-cutting ceremony were Maryland Senators Paul S. Sarbanes and Barbara A. Mikulski; State Delegates Sally Y. Jameson, Murray Levy, John Bohanan, and Daniel Mayer; and Charles County Commissioners Wayne Cooper (President), Al Smith, Candice Quinn-Kelly, Edith Patterson, and Robert Fuller. Also attending were representatives of all the partners in this project, including the University of Maryland, the Naval Surface Warfare Center, Indian Head Division, the College of Southern Maryland, the Office of Naval Research, and Charles County Government.



Pictured (L-R): Charles County Commissioner President Wayne Cooper, Maryland Delegate Sally Jameson, Mrs. Asha Anand, CECD Director Dr. Dave Anand, Mr. Mike Middleton, U.S. Sen. Paul Sarbanes, U.S. Sen. Barbara Mikulski, ETC Director Dr. Richard Nadolink, Charles County Commissioner Al Smith, Maryland Delegates John Bohanan, Danny Mayer, and Murray Levy, and Charles County Commissioners Candice Quinn-Kelly and Dr. Edith Patterson.

Photo by C. Montague

First ETC Director Named



Dr. Richard H. Nadolink has been appointed as the first Executive Director of the new ETC. Dr. Nadolink, who was one of the Navy's prestigious Senior Scientific Technical Managers, was selected as the ETC's initial Director after a national search. He formerly served as the Director for Science and Technology and Chief Technology Officer of the Naval Undersea Warfare Center (NUWC), Newport, RI. In that position, he managed an annual budget in excess of \$50 million and successfully negotiated over 100 Cooperative R&D Agreements (CRADAs) between the Navy and large and small businesses in the United States and foreign countries. He also developed Educational Partnership Agreements with major universities and the Navy. He led a successful innovation initiative that supported Homeland Security requirements with "dual use" Naval technology products.

Dr. Nadolink led the development of new technologies for autonomous undersea and surface vehicles for both Navy and commercial applications, and he holds 11 patents and three invention disclosures in multi-disciplined areas that include hydrodynamics, polymers, IR sensors, and prototype manufacturing. Dr. Nadolink has also demonstrated the ability to successfully license numerous Navy technologies to commercial entities, leading to the establishment of new companies. Dr. Nadolink has been recognized with numerous prestigious awards from both the Navy and professional societies, and his work has been published in over 50 journal articles and publications.

"Richard Nadolink is the perfect choice to direct the Energetics Technology Center, because he understands how to link the public and private sectors to successfully meet critical defense requirements," said Dr. Davinder Anand, the Director of the Center for Energetic Concepts Development at the University of Maryland. "Richard is a brilliant scientist and engineer with extensive, proven experience in the Naval technology field. He is well-respected in the international community, which will immediately enhance both public and private sector support of the Energetics Technology Center. His extensive Navy career has also given him familiarity with the skilled personnel and energetics mission of NAVSEA/Indian Head."

Visit to IHDIV

CECD Director Dave Anand was invited in November to a meeting at NSWC Indian Head to discuss possible collaboration and technical efforts with representatives of the Department of Homeland Security. Dr. Anand presented CECD/ETC capabilities and accomplishments, and participated in a wide-ranging discussion of possible work to support the needs of the Explosives Division of the Department of Homeland Security's Science and Technology Directorate.

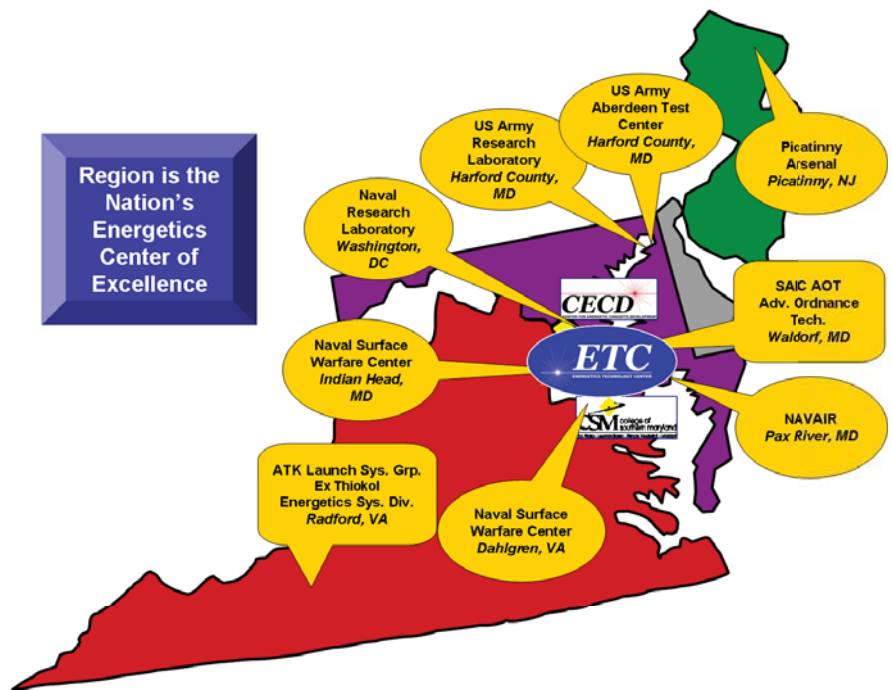


Pictured (L-R): Joe Gatto, DHS; Captain Neil Stubits, NSWCIIH; Bob Kavetsky, NSWCIIH; Dr. George Zarur, DHS; Dough Bauer, DHS; Prof. Dave Anand, UM; Jim Tuttle, DHS; George Ryan, DHS; Jerry LaCamera, NSWCIIH.

Photo Courtesy of NSWC-IHDIV

ETC Newsbytes

- Dr. Richard Nadolink, ETC Executive Director, met recently with Mr. James Richmond, Superintendent of the Charles County Public School System, and had a wide ranging discussion of future efforts that would engage the ETC with a Science/Math/Engineering “Reach Back” program to create interest in these careers at the middle and early high school levels. At Mr. Richmond’s invitation, Dr. Nadolink made a visit to the North Point (Technical) High School and was escorted and briefed by the principal, Mr. Peter Cevenini. There will be follow-up visits to all of the Charles County high schools in the coming months to determine what specific efforts the ETC will take to become engaged in the local programs.
- The ETC, the College of Southern Maryland (CSM), and the NSWC-IH have jointly drafted a Memorandum of Understanding (MOU) covering their future collaboration in Workforce Development efforts in Southern Maryland. This MOU outlines roles and responsibilities, goals, and involvement of the local energetics workforce. The MOU is expected to be signed in February at a ceremony at the CSM.
- The ETC, CECD, and NSWC-IH will host the 1st International Conference on Energetics and Detonation Science in early 2008 in Southern Maryland in collaboration with the Charles County Economic Development Department and the College of Southern Maryland. It is expected to draw up to 400 of the world’s top scientists and engineers for both plenary and specialty sessions.
- The ETC will provide two full scholarships to the College of Southern Maryland via the Charles County Technology Council, who will administer the selection process. The scholarships are a first step in the Workforce Development program aimed at under-represented groups graduating from Charles County High Schools, and selections will be made on the basis of aptitude for careers in the fields of energetics. A formal announcement of the scholarships will be made at the ceremony announcing the MOU above.
- Dr. Richard Nadolink received classified briefings and a tour of the Explosive Ordnance Division’s Stump Neck Facility on Dec. 6, 2006, where he learned of the engineering and logistic problems related to countering Improvised Explosive Devices (IEDs) in both Iraq and Afghanistan. A follow-up visit will be made to explore potential collaborations in assisting the EOD in ways to help solve the IED problem both in the short and longer (research) terms.



CECD/ETC/NSWC Workshop

A technology workshop was held at the University of Maryland University College Conference Center at College Park on December 19-20 with key members of the NSWC-IH, CECD, and ETC technical and leadership teams. More than 20 scientists and engineers gave brief presentations on potential areas of collaboration between the three organizations. The focused outcome will be 3-4 targeted technology initiatives that will be further developed by NSWC-IH, CECD, and ETC in early 2007.



Pictured (L –R) Front Row: Stephen Lubard, Dave Anand, Jerry LaCamera, Richard Nadolink. 2nd Row: Gerry Pangilinan, Bob Kaczmarek, Carl Gotzmer, Fred Zimmerman, Adam Nave, Joe Shannon. 3rd Row: Jerry Forbes, Ruth Doherty, Amy O'Donnell, S. K. Gupta, Al Stern. Back Row: Frank Tse, Jeffrey Herrmann, Don DeVoe, Bob Kavetsky, Michael Zachariah, Greg Jackson. Not Pictured: Steve Mitchell.

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Feedback

We welcome your feedback.

Please submit your observations or suggestions to ETC Director Richard Nadolink:

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