

## **DoD/ARPA-E MOU**

### **Chief Technologist Corner – 1 June 2011**

Welcome to the Assistant Secretary of Defense for Research Engineering's (ASD(R&E)) Enterprise website portal: Your one-stop to link to and learn about how dedicated individuals are working to discover, develop, engineer, and field the critical technologies upon which our Soldiers, Sailors, Airmen and Marines rely.

We are in a period of remarkable change. Innovation, speed, and agility have taken on greater importance to the Department of Defense's efforts given today's globalized access to knowledge and the rapid pace of technology development. In this environment, three factors have prominently shaped our thinking about the Department's science and technology program:

- New technical capabilities for new Department missions
- New approaches to overcome globalization of research and development
- Assuring the supply of Science, Technology, Engineering, and Mathematics talent for the Department

Every week, I will highlight the efforts of the dedicated men and women across our research and engineering enterprise working with these three factors in mind. I will also feature the improved management models and the four key imperatives that coordinate and guide our science and technology investments that help to lay the foundation for a secure future.

**Herbert F. York Memorial Lecture**  
**“Then & Now: Comparing the State of US Defense Research and Development  
from the 1950s to the Present Day”**

**Chief Technologist Corner – 11 July 2011**

I had the privilege of delivering the inaugural Herbert F. York Memorial Lecture at University of California San Diego on 29 June. The University honored the achievements of Herb York, who helped create several institutions that are instrumental to our national security: the [Lawrence Livermore National Laboratory](#), the Advanced Research Projects Agency (now [DARPA](#)), and the Office of the Director of Defense Research and Engineering (DDR&E), the precursor to my office.

The work done at ARPA during Herb’s tenure as Chief Scientist included the development of rocket technologies that would enable man to land on the moon. As DDR&E, Herb established an innovative enterprise that developed a national strategy for research and development, whose benefits we reap to this day. Outside of Washington, Herb continued to serve his country. While continuing to advise several Presidents, he also served twice as chancellor of UCSD and founded its [Institute on Global Conflict and Cooperation](#), which organizes research and seminars on conflict resolution and promotes international efforts to avoid war. Herb was undoubtedly a titan of research and development, but his dedication to public service – alongside his roles as family man, educator, mentor, and friend – remains his true legacy.

Although the list of Herb’s accomplishments is long, it is important to remember that, no matter where he was, Herb brought a broad, strategic approach that shaped several of our nation’s most important institutions in indelible ways. He was able to stand up organizations quickly by inspiring his peers to join him in service, and by bridging the gap between cutting-edge science and the defense establishment. Throughout his career, Herb did not just *implement* solutions and policies... he *created* them. Herb York remains an inspiration to us all.