

Senior Service College Fellowship (SSCF) Aberdeen Fellows Visit Army Research Laboratory

On March 4, the Senior Service College Fellowship (SSCF) from Aberdeen Proving Ground (APG), Md., spent the day visiting the facilities of the U.S. Army Research Laboratory (ARL) located on the proving grounds. Attending the tour were SSCF Aberdeen Director **Jim Oman**; fellows Medhat Abuhantash, Rick Cozby, Bill Gilbert, Corde Lane, Chris Manning, Sharon Meirose, Deirdre Sumpter, and Tony Subrizi; and SSCF Coordinator **Parker Bennett**.

The ARL is a subordinate element of the U.S. Army Research, Development, and Engineering Command and is the Army's corporate or central laboratory. ARL's mission is to "Provide the underpinning science, technology,

engineering and experimentation branch. They also learned about the Experimentation Facility 6/7 from Fred Marsh, project engineer. The newest test equipment at the live fire testing range includes the Rotorcraft Survivability Assessment Facility, which is capable of elevating rotary wing aircraft up to a 30 degree angle and thus provides greater capacity for ballistics research.

The fellows then visited the Human Research and Engineering Directorate and received a briefing on the Manpower and Personnel Integration (MANPRINT) program. John Lockett, chief of the MANPRINT and Methods and Analysis Branch, described the human systems integration multidisciplinary field study, which emphasizes the human consideration as a top priority



ARL 4067 – APG Fellows visit the 300 Degree Virtual Simulation at the newly opened Cognitive Assessment, Simulation and Engineering Laboratory.



ARL 4092 – Dr. Mark Nixon, Director of the Vehicle Technology Directorate, U.S. Army Research Laboratory provides his thoughts and perspectives to the APG Fellows.



ARL 4102 - APG Fellows hear Mr. Brian Gabriel describe Cold Spray technology during their visit to the Center for Cold Spray Research and Development.



ARL 4113 - APG Fellows listen to Mr. Kestutis Chesonis during their visit to the Chemical Agent Resistant Coating Laboratory.

and analysis that enable full-spectrum operations." Furthermore, in sync with the vision articulated by the current ARL Director John Miller, ARL serves as the bridge between the Army and the greater national research and development community. The footprint of the ARL at APG represents one of six key facility locations for the laboratory whose headquarters are located at Adelphi, Md. At APG, the ARL occupies several buildings, with its main research facility located in the Rodman Materials Research Laboratory.

Len Huskey, ARL associate for corporate programs, began the day's activities with an ARL overview and leadership initiatives presentation. The discussion touched on ARL's vision for the future as well as employee development and the laboratory's ability to develop technology focus teams devised to evaluate technology across system integration domains. Huskey accompanied the fellows throughout the day, fielding questions and providing his unique insights.

Moving to the live fire testing range, the fellows learned about the Survivability and Lethality Analysis Directorate from Rick Grote, chief of the systems

in systems design and acquisition. This focus reduces life cycle costs and optimizes system performance by identifying user needs and foreseeing potential points for user error. Afterward, a tour of the newly opened Cognitive Assessment, Simulation, and Engineering Laboratory (CASEL) provided an excellent follow-up to the SSCF's January tour of the Program Executive Office for Simulation, Training and Instrumentation in Orlando, Fla. At CASEL, the fellows were shown developments in robotics: the Robotic Intelligent Control, a voice responsive and controlled machine; and the 300 Degree Virtual Simulation, which measures the warfighter's cognitive abilities when under stress in response to realistic battlefield simulations.

At the Top of the Bay conference and dining facility, Dr. Mark Nixon, director of the vehicle technology directorate, joined the fellows for a working lunch. Nixon focused on the challenges organizations face as a result of the base realignment and closure, then transitioned into a wide range of topics including challenges pertaining to human resources, attracting new talent,