



Dr. Patrick J. Baker
Director, US Combat Capabilities Development
Command, Army Research Laboratory
Adelphi, Maryland



Dr. Patrick J. Baker was selected for the Senior Executive Service in May 2012. In his current position, he serves as the Director of the U.S. Combat Capabilities Development Command (CCDC), Army Research Laboratory (ARL), and the Army's premier laboratory for basic and applied research. ARL conducts research in weapons and materials, sensors and electron devices, computational and information sciences, human research and engineering, and vehicle technology. ARL's Army Research Office executes the Army extramural basic research program in scientific and engineering disciplines. The Laboratory consists of approximately 2,000 civilian and military employees with an annual budget of over \$1 billion.

CAREER CHRONOLOGY:

- December 2019 - Present: Director, CCDC Army Research Laboratory
- October 2019 – December 2019 Executive Technical Director, Data and Analysis Center
- February 2019 - October 2019: Director, Survivability Human Systems Integration Directorate, Data and Analysis Center
- August 2015 – February 2019: Director, Survivability Lethality Analysis Directorate, Army Research Laboratory, RDECOM, AMC
- May 2012 –August 2015: Director, Weapons and Materials Research Directorate, Army Research Laboratory, RDECOM, AMC
- Oct 2014 – Mar 2015: Acting Director, Natick Soldier Research Development and Engineering Center, RDECOM, AMC
- Dec 2009 – May 2012: Chief, Protection Division, ARL, RDECOM, AMC
- Dec 2006 – Dec 2009: Chief, Terminal Effects Division, ARL, RDECOM, AMC
- Dec 2001 - Dec 2006: Chief, Explosives Technology Branch, ARL
- Apr 1995 – Dec 2001: Mechanical Engineer, ARL
- Jan 1993 – Apr 1995: Associate Research Engineer, University of Dayton Research Institute, Dayton, OH
- June 1988 – Apr 1989: Mechanical Engineer, U.S.
- July 1984 – Sep 1987: Engineering Trainee, U.S. Army Ballistic Research Laboratory

COLLEGE:

- PhD, Mechanical Engineering, Vanderbilt University
- MS, Mechanical Engineering, Drexel University
- BS, Mechanical Engineering, Drexel University

SIGNIFICANT TRAINING:

- Acquisition Certified Level III – Science and Technology Management and Engineering
- Aberdeen Proving Ground, Senior Leadership Cohort Program

AWARDS AND HONORS:

- Exceptional Civilian Service Award, 2012
- Meritorious Civilian Service Award, 2008
- The Technical Cooperation Panel, Distinguished Service Award, 2018
- Army's Greatest Invention Award, 2008
- Joint Army Navy NASA Air Force – Propulsion Systems Hazards Subcommittee, Outstanding Sustained Contribution Award, 2002

PROFESSIONAL MEMBERSHIPS AND ASSOCIATIONS:

- US National Representative, The Technical Cooperation Panel, Conventional Weapons Group (2014- 2017)
- Member Technical Advisory Committee for Joint Fuze Technology, Joint Insensitive Munitions Technology, and DoD/DoE Joint Munitions Programs
- Member, Defense Ordnance Technology Consortium, Executive Committee
- Program Manager, Joint Insensitive Munitions Technology Program (2007-2012)
- Chair, The Technical Cooperation Panel, Conventional Weapons Group Terminal Effects Panel (2007-2010)
- US Army Lead, The Technical Cooperation Panel, Conventional Weapons Group Terminal Effects Panel (2010-2012)
- Chair of Joint Service Insensitive Munitions Technical Panel (2005-2007)
- Chair of U.S. Army Insensitive Munitions Board (2004-2007)
- Joint Army Navy NASA Air Force – Propulsion Systems Hazards Subcommittee, Steering Committee (2002-2005)

MAJOR PUBLICATIONS:

- Dr. Baker has authored or co-authored approximately sixty publications and reports.