



Biography

Department of the Army



Dr. Jeffery P. Holland
Director
U.S. Army Engineer
Research and Development Center
and
Director of Research and Development
U.S. Army Corps of Engineers



Dr. Jeffery P. Holland became the director of the U.S. Army Engineer Research and Development Center (ERDC) in January 2010. The ERDC director is located at the center's headquarters in Vicksburg, Miss. As director, Dr. Holland manages one of the most diverse research organizations in the world - seven laboratories in four states, with more than 2,500 employees, \$1.2 billion in facilities and an annual program exceeding \$1.1 billion.

ERDC R&D supports the Department of Defense (DoD) and other agencies in military and civilian projects. Principal research mission areas include Warfighter support, military installations, environment, water resources, and information technology. In addition to his position as ERDC director, Dr. Holland also serves as director of research and development and chief scientist for the U.S. Army Corps of Engineers. In this role, he develops policy, sets direction and provides oversight for Corps research and development, advising the Chief of Engineers on all matters of science and technology. Dr. Holland is also the lead for the Engineered Resilient Systems S&T initiative that supports improved acquisition, prototyping, and systems engineering across the Department of Defense.

Prior to his current position, Dr. Holland served for three years as deputy director of ERDC, assisting the previous director in the management of the multi-laboratory facility. He also served as the director of ERDC's Information Technology Laboratory, where he oversaw the development and sustainment of technological infrastructure to support ERDC and execution of a broad R&D and operational program in the areas of high-performance computing, high-bandwidth communications, computer-aided engineering, computer-aided design and drafting, geographic information systems, software engineering, scientific visualization, library services, animation, photography, video production and more.

CAREER CHRONOLOGY:

- Jan 2010 - present: Director, U.S. Army Engineer Research & Development Center, Vicksburg, MS; Director, Research & Development, U.S. Army Corps of Engineers
- Nov 2006 - Dec 2009: Deputy Director, U.S. Army Engineer Research & Development Center,
- Dec 2001 - Oct 2006: Director, U.S. Army Engineer Research & Development Center, Information Technology Laboratory

- Apr 2000 - Nov 2001: Technical Director, Hydro Environmental Modeling and Simulation, U.S. Army Engineer Research & Development Center, Coastal and Hydraulics Laboratory 1995 - 2001: Special Assistant to the Director, U.S. Army Engineer Research & Development Center, Coastal and Hydraulics Laboratory

COLLEGE:

- PhD, Civil Engineering, Colorado State University
- MS, Environmental and Water Resources Engineering, Vanderbilt University
- BS, Environmental Engineering (with honors), Western Kentucky University

CERTIFICATIONS:

- Registered Professional Engineer, State of Mississippi

AWARDS AND HONORS:

- Federal Laboratory Consortium Director of the Year Award
- Board of Trustees - Mississippi College
- Alcorn State University Presidential Citation for Excellence
- U.S. Army R&D Laboratory Management Award
- U.S. Army Engineer Research and Development Laboratory of the Year Award (2007-2009)
- Army Meritorious Civilian Service Award
- Army Bronze Order of the de Fleury Medal
- Army Silver Order of the de Fleury Medal
- Meritorious Executive, Presidential Rank Award (2008)
- Distinguished Executive, Presidential Rank Award (2014)

PROFESSIONAL MEMBERSHIPS AND ASSOCIATIONS:

- American Society of Civil Engineers
- American Geophysical Union
- International Association of Hydraulic Research (Affiliate)
- Military Operations Research Society

MAJOR PUBLICATIONS:

Dr. Holland has authored more than 100 publications.

- Landscape Erosion and Evolution Modeling, R.S. Harmon and W.W. Doe III, eds., Kluwer, 2001, pp. 517-534.
- Ecological Modeling for Resource Management, V.H. Dale, ed., Springer-Verlag New York, Inc., 2003, pp. 221-248.
- Wallace, R., Pathak, K., Fife, M., Jones, N.L., Holland, J.P., Stuart, D., Harris, J., Butler, C., and Richards, D.R., 2006. "Information Infrastructure for Integrated Ecohydraulic and Water Resources Modeling and Assessment," Journal of Hydroinformatics, Fall 2006.
- Peters, J.P., Howington, S.E., Holland, J.P., Tracy, F.T., and Maier, R.E., 1998. "Super-computing as a Tool for Groundwater Cleanup," International Association of Hydraulic Research Journal of Hydraulic Engineering, Vol. 36, No. 6.
- Holland, J.P., Berger, R.C., and Schmidt, J.H., 1998. "Finite Element Analyses in Surface Water and Groundwater: An Overview of Investigations of the U.S. Army Engineer Waterways Experiment Station," International Journal of Computational Fluid Dynamics, Vol 9, pp. 237-247, Overseas Publishers Association, Amsterdam, Netherlands.
- Holland, J.P., 1996. "Department of Defense Groundwater Modeling Program: An Overview," Subsurface Fluid-Flow (Ground-Water and Vadose Zone) Modeling, ASTM STP 1288, J.D. Ritchey and J.O. Rumbaugh, Ed., American Society for Testing and Materials, Philadelphia, PA.

- Holland, J.P., 1996. "Advancements in Computational Systems for Hydraulic and Hydrologic Modeling," Issues and Directions in Hydraulics, Nakato and Etterna (eds), pp. 343-352, Balkema / Rotterdam / Brookfield.