The Coastal and Hydraulics Laboratory (CHL) is currently looking for full-time hires who can contribute to the lab's mission of delivering solutions to our Nation's most challenging water resources problems through research, development and application of cutting-edge science, engineering and technology. The Coastal and Hydraulics Laboratory vision is to be a world-class water resources research and development organization that discovers, develops, and delivers new ways to make the world safer and better every day. Here, we define world-class by three elements: making substantial contributions to solving difficult problems, being part of an elite cadre of researchers world-wide, and continually seeking excellence.

The CHL consists of a diverse team of engineers, scientist, technicians, administrative, and budgetary experts working together to grow technical expertise, develop capabilities, and develop our team members. Current core competencies include hydrology, river engineering, coastal engineering, fluid-structure interaction, sediment processes and transport, and maritime operations. These competencies are achieved through a diverse portfolio of tools including numerical modeling, physical modeling, field data collection and analysis, laboratory experimentation, ship simulation, and operational support tool development.

Through CHL's research, development, and applications, we seek to leverage advancements to support military and civil works requirements. Our service areas include navigation, flood risk management, water management, sediment management, and military force projection and support.

Based on today's challenges, CHL needs to add people to the workforce that have expertise in programming and engineering, computer sciences, software engineering, naval architecture and marine science, meteorology and stochastic methods, hydrology, operations research, web development, remote sensing, and GIS. Looking towards the future and tomorrow's challenges, CHL will need to maintain sufficient and balanced depth in our current competencies while increasing depth in computational sciences, computer sciences, data sciences, subsurface, groundwater, and porous medium sciences, surface-subsurface interaction, near-shore hydrodynamics, urban hydrology, image processing, stochastic modeling, and naval architecture and marine engineering to include vessel motion and effects. The anticipated growth areas are in hydrology, coastal flooding, sediment processes, instrumentation/field measurements, and coastal and inland structures.

We welcome applicants at BS, MS, and PhD levels. ERDC careers offer competitive salaries, graduate-level education and other professional development opportunities, outstanding benefits, opportunities for exciting world travel, and a unique chance for U.S. Citizens to serve your Nation!

For more information on career opportunities with the ERDC-CHL, contact Mr. Keith Flowers (601-634-3070; Keith.W.Flowers@usace.army.mil) or Dr. Hwai-Ping (Pearce) Cheng (601-634-3699; Hwai-Ping.Cheng@ usace.army.mil.