



MICAH WELTMER Ph.D.

THE WATER INSTITUTE
OF THE GULF



Experience Profile

Micah Weltmer, Ph.D., Senior Project Manager, has more than 20 years of leadership experience in science-based, data-driven risk management and decision support.

Micah received a bachelor's degree in geosciences from Penn State University, and both a master's degree in meteorology & physical oceanography and doctorate in physical oceanography from the Naval Postgraduate School, where his work centered around nearshore and estuarine processes. He additionally has strong background in autonomous maritime systems, ocean and atmospheric modeling, knowledge management, and organizational design.

Prior to joining the Institute, Micah served 24 years in the United States Navy, retiring as a Captain in 2022. He managed environmental sensing, modeling, and decision support programs with total budgets up to \$120 million and led highly skilled teams of Sailors from coast to coast and overseas from Japan to Italy. Most recently, he served as the Chief Science & Technology Officer at the Navy's Meteorology and Oceanography headquarters, where he managed a \$300 million annual portfolio that designed and implemented scientific and technical innovations toward improving the Navy's environmental science operations and decision support.

Company Role

Senior Project Manager

Areas of Expertise

- Tidal Processes
- Operational Forecasting
- Decision Support
- Program & Project Management
- Strategic Planning

Education

- Ph.D. – Physical Oceanography, Naval Postgraduate School, 2013
- M.S. – Meteorology & Physical Oceanography, Naval Postgraduate School, 2003
- B.S. – Geosciences, Penn State University, 1996

Professional Membership

- American Geophysical Union
- Marine Technology Society
- Program Management Institute

Professional Experience

The Water Institute of the Gulf	2022-Present
<ul style="list-style-type: none"> • <i>Senior Project Manager</i> 	
Captain (retired), United States Navy	1998-2022
U.S. Naval Meteorology and Oceanography Command	
<ul style="list-style-type: none"> • <i>Chief Science & Technology Officer</i> • <i>Deputy Director, Oceanography Operations</i> 	2019-2022 2016-2019
U.S. Naval Forces Europe/Africa - U.S. 6th Fleet	
<ul style="list-style-type: none"> • <i>Program Director, Environment and Climate</i> • <i>Fleet Oceanographer</i> 	2014-2016
Fleet Numerical Meteorology and Oceanography Center	
<ul style="list-style-type: none"> • <i>Director of Model and Forecast Operations</i> 	2013-2014
Commander, Carrier Strike Group Ten	
<ul style="list-style-type: none"> • <i>Senior Advisor, Environment and Schedules</i> 	2009-2010
Office of the Chief of Naval Operations (OPNAV)	
<ul style="list-style-type: none"> • <i>Program Manager, Requirements Officer</i> 	2006-2008
Submarine Group SEVEN (CTF 74 / CTF 54)	
<ul style="list-style-type: none"> • <i>Task Force Oceanographer</i> 	2005-2006
Naval Pacific Meteorology and Oceanography Center, Yokosuka	
<ul style="list-style-type: none"> • <i>Assistant Operations Officer; Ship Router</i> 	2003-2005
USS FIFE (DD-991)	
<ul style="list-style-type: none"> • <i>Gunnery Officer</i> 	1999-2000