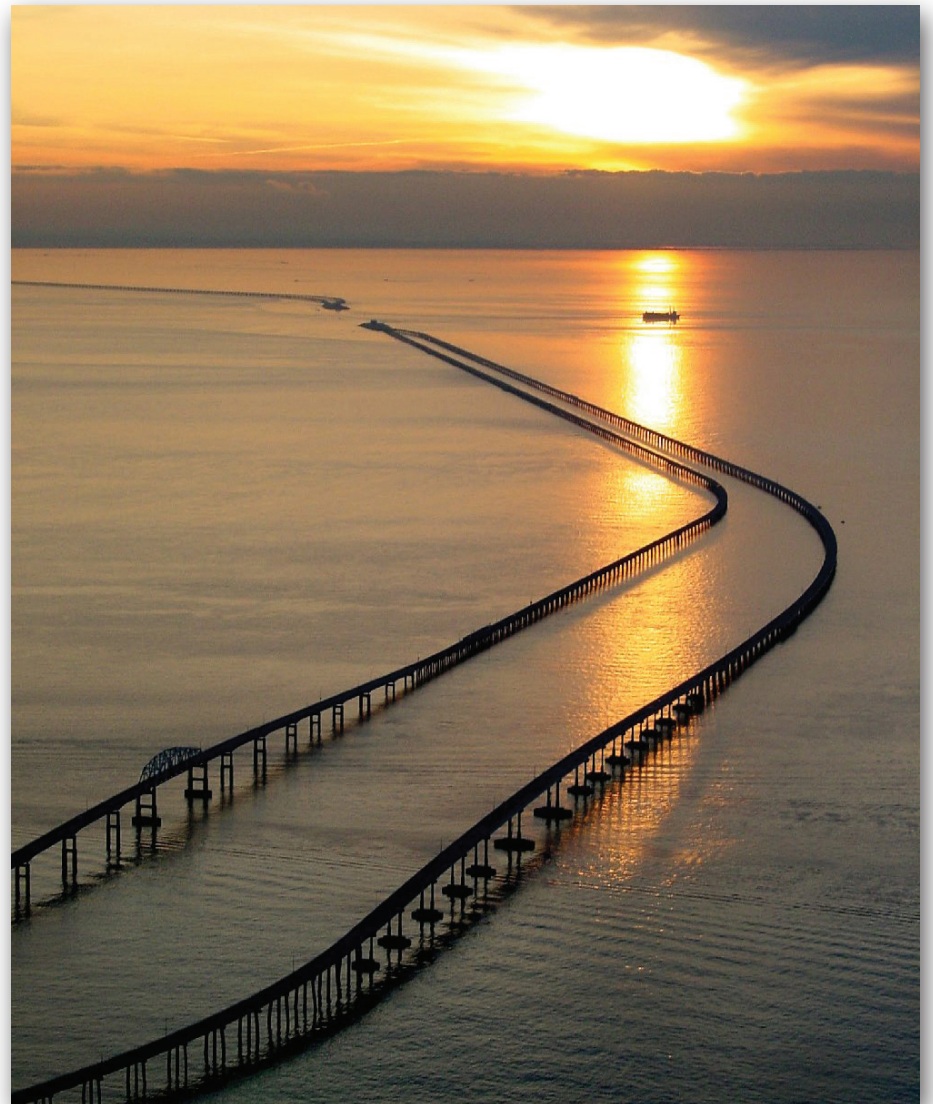


UNDERGROUND LUNCH&LEARN:

Thimble Shoal Tunnel Project

Guest Speaker:
Colin Lawrence
Global Tunnel Practice Leader
and Executive Vice President
Mott MacDonald

Join the underground community for an overview of the design challenges for the ongoing \$750 million Thimble Shoal Tunnel Project, a 1.5 mile-long, 43 feet diameter, subaqueous tunnel through marine deposits with limited cover. The new tunnel will run parallel to the existing Chesapeake Bay Bridge tunnel and under the marine gateway of the US Navy North Atlantic Fleet. This project is currently under design-build construction and has many challenges including tunneling between two existing islands of Chesapeake Bay Bridge and Tunnel Highway Link near Norfolk, Virginia.



Wednesday, March 8
12:00-1:00 p.m.*
Berthoud Hall 243

***LUNCH WILL BE PROVIDED**



Colin Lawrence is an Executive Vice President of Mott MacDonald and serves as the firm's Global Tunnel Practice Leader. He has over 37 years of specialized experience all types of tunneling for transportation, water and wastewater projects in a variety of very challenging ground conditions in both soil and rock. He has worked in the USA for the last 19 years.

Mr. Lawrence has been involved in all aspects of underground project implementation from planning, design, project management through to construction management and project completion.

Being very active in the US underground industry, he is currently an Executive Director of the Underground Construction Association of the Society of Mining, Metallurgy and Exploration, as well as a member of the organizing committees for the North American Tunneling Conference, George Fox Tunneling Conference, and Pressurized Face Tunneling Conference.

Mr. Lawrence has gained a reputation for having successfully undertaking some of the more technically challenging and high-risk tunnel projects around the world, including the Channel Tunnel, the Storebaelt Rail Tunnel Project in Denmark, Bangkok Metro in Thailand, the Strategic Sewerage Disposal Scheme in Hong Kong, and the East Side Access Project in New York.



COLORADO SCHOOL OF MINES
EARTH • ENERGY • ENVIRONMENT

underground.mines.edu :: uct@mines.edu