

The Department of Civil and Environmental Engineering at the University of Houston presents...

CIVE 6111 Graduate Seminar

Arctic Research at Exxon Mobil



Victor Garas, PhD

Offshore, Infrastructure & Environment
ExxonMobil Upstream Research Company

Friday, April 27, 2018

2:45PM-3:45PM

Classroom Business Building (CBB Room) 106

Abstract

Potentially, ~20% of world's undiscovered hydrocarbons exist within the arctic circle, an environment that includes dynamic ice that needs efficient ice management to maintain safe drilling operations. Effective ice management requires wide-ranging information about ice conditions in real-time in the vicinity of drilling sites to assess the system's efficacy with sufficient lead time to suspend operations, if needed.

This presentation discusses different technical aspects of arctic characterization, ice management and the associated challenges.



Victor Garas

Environmental Technology Section

Ph.D. Georgia Tech. (CE)

M.S. Georgia Tech. (CE)

M.S. University of Houston (CE)

B.S. Ain Shams University (CE)

- Joined URC in 2009
- Background in structural design and multi-scale characterization of civil engineering materials.
- Arctic characterization Project Lead (2010-2016)
- Offshore, Infrastructure and Environment Function Planner 2016-2017
- Currently Remote Sensing Research Lead

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