

PENSACOLA POST

Society of American Military Engineers
Dedicated to the National Defense



June 2010

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Our next SAME General Membership & Business Meeting will be June 17, 2010. Lunch will be at 11:00 at UWF's Nautilus Market followed by a presentation by Dr. Joe Lepo, PhD. Presentation titled:

**Biodegradation of Crude Oil Hydrocarbons: Cows in the Water!
Cows on the Beach! All Totally Nude!!!**

Presentation from 11:00 to 1:30

Sustaining Members

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Mark your calendars:

17 June – Biodegradation of Crude Oil Hydrocarbons: Cows in the Water! Cows on the Beach! All Totally Nude!!!

The seminar is about the chemical and physical nature of crude oil, how it is biodegraded by microorganisms and how that natural process may be used in bioremediation of oil spills in open ocean and on sandy beaches. Microcosms modeling the biodegradation process, developed by my research group in collaboration with EPA labs in the USA, will be described.

Dr. Joe Eugene Lepo is Professor of Microbiology in the Department of Biology at the University of West Florida, Pensacola; he conducts research within the Center for Environmental Diagnostics and Bioremediation (CEDB). He is also Technical Director of the CEDB Wetlands Research Laboratory. His Ph.D. in Microbiology and Biochemistry is from the University of Texas, Austin; he has M.S. and B.S. degrees in Biology from Pittsburg State University, Pittsburg, Kansas; he did postdoctoral work at Oregon State University, Corvallis.

Lepo's research interests include: 1) oil spill bioremediation in the laboratory and the field; 2) the efficacy of biosurfactants in remediation of oil spills; 3) plant-microbe interactions on surface of leaves and root zones; 4) microbial biofilms as indicators of estuarine ecosystem condition; 5) molecular characterization of prokaryotic communities in microbial biofilms; 6) impact of agricultural runoff on environmental water quality; and, 7) validation and field testing of culture-independent microbial source tracking methodologies. His research has been supported by grants from the U.S. National Science Foundation, U.S. Department of Defense, U.S. Environmental Protection Agency, U.S. Department of Agriculture; U.S. National Oceanographic and Atmospheric Administration, and by grants and contracts with numerous state and regional environmental and scientific agencies.

This presentation is open to all friends and family. Lunch will be at UWF's Nautilus Market from 12:00 to 12:00. Presentation will be held at UWF's Building 4, Room 102 from 12:00 to 1:30. Please ensure to obtain a Visitor's Pass at UWF's Welcome Center to avoid receiving a parking ticket.

1 July – JTF Operations in Haiti – A CEC Perspective

LCDR Jeffery will present his perspective during his time assisting with the Haiti earthquake recovery efforts. Presentation and lunch will be at the WESTPAC room at the National Naval Aviation Museum from 11:00 to 1:30. Please note: The July meeting was changed from July 17th to July 1st to accommodate LCDR's availability.

What has SAME Pensacola been up to?

Each of the Vice Presidents has been gathering ideas and input to prepare for the upcoming year. Any volunteers or ideas that anyone would like to contribute in the areas of Education and Training, Outreach, Relationships, or Contingency are greatly welcomed.

Visit Our Updated Website:
<http://posts.same.org/pensacola/>