



Symposium on Evolution of Maritime Fuels, Ship Speed and Operational Efficiency

21 July 2014
University of Southern California



Sponsored Jointly by

USC Loker Hydrocarbon Research Institute
USC Sea Grant Program
USC Paul Hall Endowment for Marine Transportation



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WELCOME AND OVERVIEW

Welcome to our one-day symposium on advancing knowledge about maritime fuels, the engines and ships that will use them and the economics of change in the industry. We have brought together a diverse group of experts to share their knowledge about the industry, addressing its evolution toward cleaner burning fuels, an alternative to the heavy fuel oils currently powering the maritime fleet and, as we will discuss, the prospect for more secure long-term sources and prices for these products. Our discussion is divided into three distinct realms: first, the fuels themselves; second, the engines and ships to use these new fuels; and third, the policies and economics affecting use and marketing. We have designed the program to address each of these areas.

PROGRAM

0830-0900	Continental breakfast Loker Hydrocarbon Research Institute Loker Bistro, 2nd Floor
0900-0915	Welcome Dr. James Fawcett , USC Sea Grant Program Dr. Surya Prakash , Director, USC Loker Hydrocarbon Research Institute Dr. George A. Olah , Nobel Laureate Founding Director, Loker Hydrocarbon Research Institute Distinguished Professor of Chemistry and Engineering University of Southern California Stauffer Lecture Hall
0915-1000	The Promise of Methanol Dr. Surya Prakash Professor and Director USC Loker Hydrocarbon Institute
1000-1045	The International Energy Agency and Alternative Fuels William (Bill) Remley Alion Science & Technology
1045-1100	BREAK

1100-1145	<i>Practical Applications of Methanol Fuels</i> Paul Wuebben Senior Director, Renewable Fuels Carbon Recycling International
1200-1300	Lunch Served on at the Loker Bistro, 2nd Floor
1300-1345	<i>Very High Efficiency Methanol Engines</i> Dr. Dan Cohn Division Head and Senior Research Scientist, Plasma Science & Fusion Center Massachusetts Institute of Technology
1345-1430	<i>Design of Vessels Using Alternative Fuels</i> Per Fagerlund ScandiNAOS AB Goteborg, Sweden
1430-1445	BREAK
1445-1530	<i>The Economics of Alternative Fuels</i> Dr. Meifeng Luo Professor of Maritime Logistics The Hong Kong Polytechnic University
1530-1615	<i>The Seaport Perspective</i> Richard D. Cameron Managing Director, Environment Affairs and Planning Port of Long Beach Eric Caris Assistant Director, Business Development Port of Los Angeles Carter Atkins Environmental Planner for Air Quality Programs Environmental Affairs Division, Port of Los Angeles
1615-1645	Panel: <i>Prospects for Alternative Maritime Fuels</i> Moderated Question and Answer Session
1700-1900	Reception/Cocktails Loker Hydrocarbon Research Institute George Olah Library, 3rd Floor
