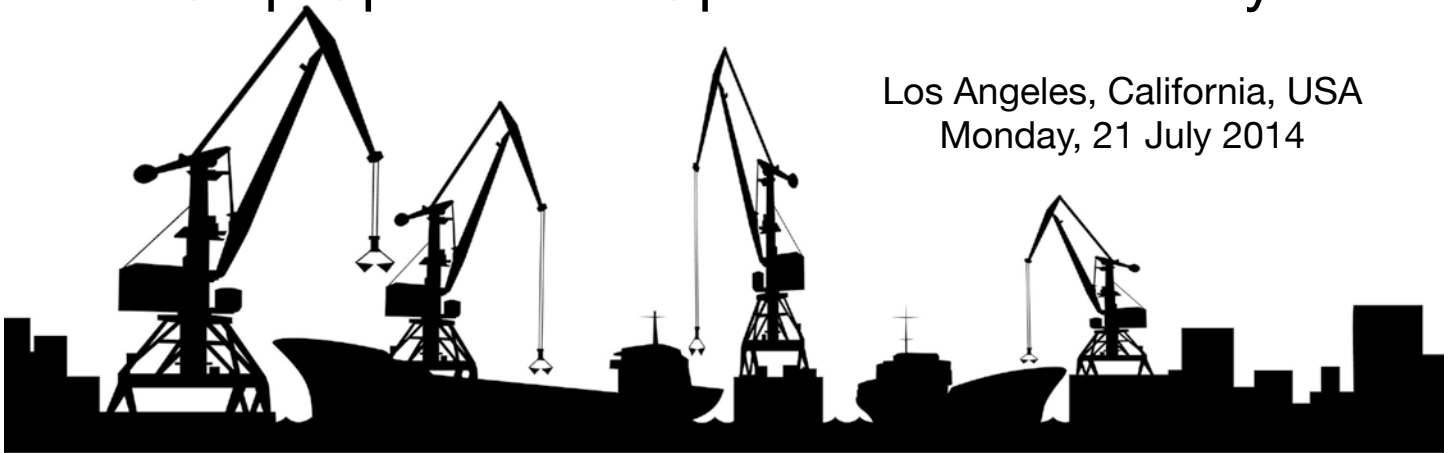


Symposium on Evolution of Maritime Fuels, Ship Speed and Operational Efficiency

Los Angeles, California, USA
Monday, 21 July 2014



The Sea Grant Program, the Paul Hall Endowment for Marine Transportation and the Loker Hydrocarbon Research Institute, all at the University of Southern California (USC), and Maritime Policy and Management Journal, are pleased to sponsor a one-day symposium in July to discuss evolution in maritime fuels and the associated issues of operational efficiency and environmental advancement as modern engine design and fuel chemistry intersect with the economics of the maritime transportation industry. As potential fuels and fuel combinations become more accessible, engine manufacturers, ship builders and operators may all benefit from the fruits of this evolution. This meeting is designed to bring together experts with engineering, financial and policy expertise to exchange research ideas and recent findings as the industry confronts its environmental impact on the world's airshed and the competitive aspects of the marine transportation industry.

PAPERS

Short papers are encouraged but are not required for participation in this symposium. They should be prepared in MS Word or PDF format and submitted to Dr. James Fawcett **by 01 July 2014**. PowerPoint presentations are acceptable. Papers are welcome, for example, in these areas:

- New fuel options
- Pricing of alternative fuels
- Environmental impacts of slow-steaming
- Is LNG a viable answer?
- Time horizons for alternative fuels
- Cold-ironing and its costs/benefits
- Availability of alternative fuels
- Economic Impact of slow-steaming
- Evolution of new engine types and costs
- What is the potential of methanol?
- Capital costs for "new fuel" options

VENUE

The symposium is **limited to 40 participants** and will be held on the campus of USC (location to be determined). Guides will be present to provide directions from the hotel to the meeting venue. Lunch will be provided.

HOTEL ARRANGEMENTS

Hotel arrangements can be made at a USC-owned hotel:
Radisson Hotel Midtown at USC
3540 S. Figueroa St.
Los Angeles, CA 90007
+1 800 967-9033

AIRPORT CONNECTIONS

Shuttle van service is available from Los Angeles International Airport, approximately 20 minutes distance from the hotel. SuperShuttle: (800) 258-3826; reservations@supershuttle.com

REGISTRATION

There is **no registration fee** for participants, however, registration is required for participation in the symposium. Please send your **letter by of intent** to participate **by 10 July 2014** to the address below:

Please include in your letter:

Name:

University/Business Affiliation:

Address:

Email address:

Special food requirements:

Dr. James Fawcett

USC Sea Grant Program

Fawcett@usc.edu

+1 213 740 4477

