



## **International Maritime Transport under Carbon Pricing, Potential Merits and Hazards**

**Mr. Antoine Gaudin**

**Thursday, 8 March 2018  
3.00 pm to 4.30pm  
ESI Conference Room  
29 Heng Mui Keng Terrace  
Block A, #10-01, Singapore 119620**

Please send us your name, organization and email address via the ESI website [here](#). For enquiries, please contact Ms. Jan Lui at 6516 2000.

### **Synopsis**

There has been a growing interest in using carbon pricing (part of Market-based Mechanisms, MBMs) as a tool to reduce CO<sub>2</sub> emission in international shipping. However, despite such interest, there are limited academic studies on the topic. This presentation will discuss the quantitative and quality effects of two most common forms of carbon pricing, the carbon tax and the cap-and-trade system. The presentation will explore how such measures might alter the market dynamics in international shipping due to changes in time of travel, fuel related costs and freight rates. Questions of carbon market volatility (under a cap-and-trade system), global emission variations (under a carbon tax system), and the adoption of new technologies due to carbon pricing, will also be discussed.

This work is part of a joint project between the Energy Studies Institute and the Center of Maritime Studies.

### **About the Speaker**

Mr. Antoine Gaudin is pursuing a double master degree programme hosted by the Faculty of Engineering, NUS, and ENSTA ParisTech. Before joining the Department of Industrial System Engineering and Management in August 2017, he spent 3 months at Imperial College London, working on the adaptation of KERS technology for urban transportation.

His master thesis addresses the comparison of carbon pricing methods for the international shipping industry. He is also a research assistant at the Center of Maritime Studies.