

**TR-4-12 Essential Petroleum Technologies in the Future
May 8 – May 25, 2012**

Lecturer: Bunsuke Kariya

Content: Petroleum Industry in Japan;
World Energy Situation and New Energy;
Profitability Improvement Simulation of JCCP
Refinery; Hydrogen Transportation by Organic
Compound; Life Cycle Assessment of Biofuel;
Biofuel Production from Wood and Bio Refinery;
Hydrogen Infrastructure; Fuel Cell Vehicle;
Future Energy Vision of Each Country

Site visits: Cosmo Oil Co., Ltd. (Central Research Laboratory);
Fuji Oil Co., Ltd. (Sodegaura Refinery);
Japan Petroleum Energy Center (Advanced
Technology and Research Institute);
Kyushu University; Fukuoka Hydrogen Town;
Kitakyushu Hydrogen Town; Meitetsu Bus
Company; Chubu International Airport Hydrogen Station

Countries: Indonesia, Kazakhstan, Kuwait, Libya, Myanmar, Nigeria, Pakistan, Saudi Arabia, Thailand,
Vietnam



<10 countries / 15 participants>