TR-2-13 Future Advanced Technology for Petroleum Industry April 8 – April 25, 2013

Content:

New Business Strategy of Japanese Oil Industry;

Underground Microbial Carbon Recycling;

Workshop for the Refinery Equipment Optimization

Using Virtual Refinery;

Research Activities at Cosmo Oil; Carbon Capture and Storage;

Hydrogen Infrastructure; Solar Power Generation;

Role of Car Manufacturer in Environmental Protection:

Carbon Capture Technology in Power Company; Utilization of Heavy Fraction as Activated Carbon;

Combined Renewable Energy System; Biofuel Production & Mega Solar;

Energy Saving Type Sea Water Desalination; Hydrogen Filling Station & Fuel Cell Vehicle;

World Energy Situation

<11 countries / 14 participants>

Lecturer: Bunsuke Kariya

Site visits:

Chugai Technos Corporation; Cosmo Oil Co., Ltd. (Central Research Laboratory);

Toyota Motor Corporation; Kansai Electric Power Co., Inc.; Osaka Gas Co., Ltd.;

Kawasaki Heavy Industries, Ltd.; Electric Power Development Company;

Kitakyushu Water Plaza; Kitakyushu Hydrogen Town

Countries:

Bahrain, Ecuador, Indonesia, Iraq, Kuwait, Libya, Nigeria, Qatar, Thailand, Uzbekistan, Vietnam