

JCCP Regular Courses Completed

TR-20-11 Quality Management of Refinery Products February 7 – February 24, 2012

Lecturer: Takaaki Yuasa

Content: Quality Management; Quality Control in Japan; Environmental Strategy of Japanese Oil Companies; QC in the Refinery; ISO-9000; Clean Fuel in Japan; Product Planning by LP Model

Site visits: Yokogawa Electric Corporation; DKK TOA Corporation; Idemitsu Kosan Co., Ltd. (Tokuyama Refinery); Shimadzu Corporation; JX Nippon Oil & Energy Corporation (Negishi Refinery); Tanaka Scientific Limited

Countries: Iraq, Kuwait, Myanmar, Pakistan, Sudan, Thailand, Venezuela, Vietnam



<8 countries / 12 participants>

TR-21-11 Advanced Process Control on DCS February 7 – February 24, 2012

Lecturer: Teruhiko Sasaki

Content: Basic Process Control Theories with Practice Using Computer Simulator and Miniature Plant with Applied DCS; Practice of Advanced Process Control Theories and Operation Support System Using DCS; Application for Shutdown Sequence System on DCS and Practice of Safety Instrument System; Latest DCS Related Technologies

Site visits: Yokogawa Electric Corporation (Mitaka Headquarters); JX Nippon Oil & Energy Corporation (Mizushima Refinery); Seibu Oil Co., Ltd. (Yamaguchi Refinery)

Countries: Iraq, Kazakhstan, Nigeria, Pakistan, Philippines, Saudi Arabia, Sudan, Thailand, Venezuela, Vietnam, Yemen



<11 countries / 15 participants>

TR-1-12 Petroleum Marketing April 9 – April 26, 2012

Lecturer: Masayuki Jimbo

Content: Petroleum Industry in Japan; Refinery Shipping System for Petroleum Products; On-site Observation of Facilities; Endless Price War in the Retail Market; Oil Flow to Mass Consumers; Latest Service Station Facilities; Integrated Refueling System; Facilities and Safety Refueling Operation; Distribution of Petroleum Products; Facilities and Safety Measures; New Automobile Fuel; Business Expansion to Non-oil Fields; Management by Rational Thinking Process; Workshop on "Advanced Negotiation"; Workshop on "Financial Accounting"; Workshop on "Supply Management"; Workshop on "Oil Derivatives"

Site visits: Idemitsu Kosan Co., Ltd. (Aichi Refinery); Fujitani Inc. (depot, service stations); San-ai Oil Co., Ltd. (Haneda Airport Branch); Tatsuno Corporation (Yokohama Factory); JX Nippon Oil & Energy Corporation (Head Office); JX Nippon Procurement Corporation (Head Office)

Countries: Brazil, Indonesia, Kazakhstan, Kuwait, Libya, Myanmar, Nigeria, Qatar, Saudi Arabia, Sudan, Thailand, Timor-Leste, UAE, Vietnam



<14 countries / 20 participants>

TR-2-12 Upgrading Processes of Heavy Oil
April 9 – April 26, 2012

Lecturer: Takaaki Yuasa

Content: Outline of Upgrading of Heavy Oil; Hydrotreating and Hydrocracking Catalysts; Thermal Cracking Process; IGCC Technology and Selection of Heavy Oil Upgrading Process; FCC & Resid-FCC Process Technology; Hydrotreating and Hydrodesulfurization Process Technology; FCC Catalyst Reaction Theory; Thermal Cracking (Delayed Coker) Unit and FCC Unit; Operation and Troubleshooting and Decreasing Effect in Heavy Oil Production; Developed HDS & FCC Catalyst and Its Theory; Process and Characteristics of RFCC and VRHDS Units; Evaluation Technology and Its Results for HDS Catalyst & FCC Catalyst; Process Simulator Practice in FCC Startup; Linear Programming and Production Planning for Refinery

Site visits: JGC Catalysts & Chemicals Ltd. (Kitakyushu Operation Center); JX Nippon Oil & Energy Corporation (Negishi Refinery)

Countries: Indonesia, Iraq, Kuwait, Libya, Myanmar, Nigeria, Pakistan, Qatar, Sudan, Venezuela, Vietnam



<11 countries / 16 participants>

TR-3-12 DCS Fundamentals and Applications
April 9 – April 26, 2012

Lecturer: Kazuhiro Suzuki

Content: Petroleum Industry in Japan; Outline of Distributed Control System (DCS); Latest DCS and Instrumentation; Process Control Theory; Hands-on Training in Process Control; Engineering Practice in DCS; Outline of Alarm Management; Modernization of Instrumentation

Site visits: Yokogawa Electric Corporation (Mitaka Headquarters); Azbil Corporation (Fujisawa Techno Center & Shonan Factory); Emerson Japan, Ltd. (Mizushima Solutions Center); Idemitsu Kosan Co., Ltd. (Tokuyama Refinery)

Countries: Indonesia, Iraq, Kazakhstan, Kuwait, Libya, Malaysia, Nigeria, Pakistan, Qatar, Sudan, Thailand, Vietnam



<12 countries / 17 participants>

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>

TR-5-12 Petroleum Distribution
May 29 – June 15, 2012

Lecturer: Kazuo Kojima

Content: Petroleum Industry in Japan & Petroleum Marketing and Distribution; Management by Rational Thinking Process; Transportation System & Safety Driving at a Transportation Company; Manufacturing Process of Petrol Dispensing Equipment at a Petrol Dispensing Pump Manufacturer; Efficiency and Safety of Petroleum Product Distribution Process at Jet Fuel Supplier; Shipping System for Petroleum Products at an Oil Company; Production & Maintenance Process of Pipelines at a Steel Company; Functions of an Oil Stockpiling Base at an Oil Storage Terminal Company; Role of Procurement at a Procurement Company and Workshop on "Supply Management"; Latest Situation & Future Outlook of Energy in the World



<13 countries / 16 participants>

Site visits: Uyeno Kosan, Ltd. (Kawasaki Training Center); Tatsuno Corporation (Yokohama Factory); San-ai Oil Co., Ltd. (Haneda Airport Branch); Cosmo Oil Co., Ltd. (Sakai Refinery); JFE Steel Corporation (West Works); JX Nippon Oil & Energy Staging Terminal Corporation (Kiire Base); JX Nippon Procurement Corporation (Head Office)

Countries: Bahrain, Brazil, Indonesia, Iraq, Kuwait, Libya, Myanmar, Nigeria, Pakistan, Qatar, Thailand, Uzbekistan, Vietnam

TR-6-12 Maintenance Management
May 29 – June 15, 2012

Lecturer: Hiromitsu Saito

Content: Petroleum Industry in Japan; Maintenance Management in a Japanese Refinery; Maintenance Activities in a Japanese Refinery; Manufacture and Inspection Technologies for Turbines and Boilers; Manufacture Technology and Material Characteristics of Stainless Steel Tubes and Pipes; Maintenance and Repair Technologies for Refining Equipment; Reliability Management in the Refinery; Trouble Experiences and Countermeasures; Safety and Reliability of Aged Plants; Plant Life Cycle Engineering; Project Management Activities in a Japanese Refinery and Maintenance Management by TPM



<13 countries / 17 participants>

Site visits: Mitsubishi Heavy Industries, Ltd. (Nagasaki Shipyard & Machinery Works); Sumitomo Metal Industries, Ltd. (Steel Tube Works); Shinko Plantech Co., Ltd. (Head Office); Toa Oil Co., Ltd. (Keihin Refinery); JGC Corporation (Yokohama Headquarters)

Countries: Colombia, Indonesia, Iraq, Kuwait, Malaysia, Myanmar, Nigeria, Pakistan, Sudan, Thailand, Uzbekistan, Venezuela, Vietnam

TR-7-12 Refinery Management
May 30 – June 13, 2012

Lecturer: Tetsuji Kubota

Content: Overview of the Oil Industry in Japan; Project Management/EPC Business/Engineering IT; An Example of Maintenance Management; Carbon Management; Safety Management; Environmental Management; Production Planning Management; Human Resource Management; Rational Thinking Management; Case Study



<12 countries / 16 participants>

Site visits: JGC Corporation (Yokohama World Operation Center); JX Nippon Oil & Energy Corporation (Mizushima Refinery)

Countries: Colombia, Indonesia, Iraq, Kuwait, Myanmar, Nigeria, Pakistan, Qatar, Sudan, Uzbekistan, Vietnam, Yemen