

**TR-8-12 Practical Training for Younger Instrument and Control Engineers  
June 5 – July 13, 2012**

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**Lecturer: Shigeru Matsui**

Content: Theoretical and Practical Training in Process Control;  
Latest DCS and Software;  
Practice Building Control System;  
Safety Instrument System;  
Wireless Instrument System;  
Information and Control System in Refinery;  
Latest Analyzer;  
Model Predictive Control;  
Instrument Engineering Design;  
Training and Practice of Field Instrument (transmitter, level meter, flow meter, control valve);  
Control System in Power Plant;  
Discussion about the Maintenance of Instrument

Site visits: Yokogawa Electric Corporation (Mitaka Headquarters & Kofu Factory); Endress+Hauser Japan Co., Ltd. (Kofu Factory); Emerson Japan, Ltd. (Mizushima Solutions Center); Idemitsu Kosan Co., Ltd. (Tokuyama Refinery); Shimadzu Corporation (Kyoto Headquarters & Sanjo Factory); Oval Corporation (Yokohama Operation Center); Kyushu Electric Power Co., Inc. (Omuta Power Plant); Tobata Co-Operative Thermal Power Company, Inc.; Azbil Corporation (Fujisawa Technology Center & Shonan Factory)

Countries: Indonesia, Iraq, Kuwait, Libya, Malaysia, Myanmar, Nigeria, Pakistan, Saudi Arabia, Sudan, Timor-Leste, Uzbekistan, Vietnam, Yemen



*<14 countries / 16 participants>*