



## System Integrator & Original Equipment Manufacturers Week

• May 17~20, 2011 • 9:00am – 5:00pm • Omron Training Center

The **2011 OMRON SI & OEM WEEK** showcases the FREE training from the basic to advance industrial automation technology. This 4-day event aims to upgrade the knowledge of the participants in programming and troubleshooting of frequently used automation products like Temperature Controllers, PLC, HMI, Frequency Inverters and Servo System. After the training, participants will be able to learn to develop complex machine or system at its simplified approach.

**Who should attend:** Engineers and technicians whose companies are involved in the design and assembly of equipment/machine control automation and system integration business.

<p style="text-align: center;">Day 1: May 17, 2011, Tuesday</p> <p><b>Topic:</b> Basic PLC Programming</p> <p><b>Description:</b> This topic will help participants in the basic programming and parameter setting in PLC.</p> <p><b>Outline:</b></p> <ol style="list-style-type: none"> <li>i. Introduction to Programmable Logic Controllers ( System Configuration and Sizing Up of Omron PLC)</li> <li>ii. Ladder Programming Concept and Restrictions</li> <li>iii. Introduction to CX-Programmer Software</li> <li>iv. Commonly Used Basic to Intermediate PLC Instructions</li> <li>v. Program simulation and Hands-On Exercises</li> </ol>	<p style="text-align: center;">Day 3: May 19, 2011, Thursday</p> <p><b>Topic:</b> Frequency Inverter and Servo System</p> <p><b>Description:</b> In this topic, participants will be equipped with the basic programming, configuration and integration of Omron Servo Motors and Drives with PLC</p> <p><b>Outline:</b></p> <p><b>AM Topic:</b></p> <ol style="list-style-type: none"> <li>i. Introduction to Frequency Inverter</li> <li>ii. Inverter setting and configuration using CX-Drive</li> <li>iii. Inverter control using PLC in Modbus RTU Protocol Programming</li> <li>iv. Program Simulation and Hands-On exercises</li> </ol> <p><b>PM Topic:</b></p> <ol style="list-style-type: none"> <li>v. Introduction to Servo system</li> <li>vi. PLC CPU's Built-In Pulse I/O for Servo Control Configuration and Wiring</li> <li>vii. PLC Instructions for PLC CPU's Built-In Pulse I/O Servo Controls</li> <li>viii. Program Simulation and Hands-On exercises</li> </ol>
<p style="text-align: center;">Day 2: May 18, 2011, Wednesday</p> <p><b>Topic:</b> Human Machine Interface Programming</p> <p><b>Description:</b> The participants will be given a background on the basic operation, programming and communication of HMI to PLC.</p> <p><b>Outline:</b></p> <p><b>AM Topic</b></p> <ol style="list-style-type: none"> <li>i. Introduction to Human Machine Interface</li> <li>ii. HMI Communication Settings and Cables</li> <li>iii. Introduction to NV-Designer</li> <li>iv. NV HMI Programming</li> <li>v. Program Simulation and Hands-On Exercises</li> </ol> <p><b>PM Topic:</b></p> <ol style="list-style-type: none"> <li>vi. Introduction to CX- Designer</li> <li>vii. NS HMI Programming</li> <li>viii. Program Simulation and Hands-On Exercises</li> </ol>	<p style="text-align: center;">Day 4: May 20, 2011, Friday</p> <p><b>Topic:</b> Simplified Programming Technique using PLC Function Block (FB)and HMI's Smart Active Parts (SAP)</p> <p><b>Description:</b> This topic will give participants knowledge in basic settings, programming and configuration of PLC using Function Block and HMI's Smart Active Parts on Temperature Controller Application</p> <p><b>Outline:</b></p> <ol style="list-style-type: none"> <li>i. Introduction to Temperature Controller</li> <li>ii. Principle of On/OFF and PID control</li> <li>iii. Temperature controller setting and wiring</li> <li>iv. Temperature controller remote monitoring using FB's and SAP</li> <li>v. Temperature controller remote configuration using Cx-Thermo</li> </ol>

**Notes:**

1. These trainings are free-of-charge. However, first-reserve, first-serve basis applies.
2. Interested companies have the option to send different participant/s for each training day as long as they have the background for the topic.
3. Fill-up the reservation form below and fax it back to us at (02) 811-2583 or email to racquel\_r@ap.omron.com
4. Handouts and snacks are provided.
5. Venue: Omron Training Center, 2/F King's Court II Bldg, 2129 Chino Roces Ave, Makati City
6. Because of limited seats available, only two (2) representatives per company will be allowed
7. For inquiries, call us at (02) 811-2831 – 36. Look for Racquel.

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<b>Company Name:</b>	
<b>Address:</b>	
<b>Tel No:</b>	<b>Fax:</b>
<b>Line of Business:</b>	

Day 1:

	<b>Name</b>	<b>Designation</b>	<b>Department</b>
<b>1.</b>			
<b>2.</b>			

Day 2:

	<b>Name</b>	<b>Designation</b>	<b>Department</b>
<b>1.</b>			
<b>2.</b>			

Day 3:

	<b>Name</b>	<b>Designation</b>	<b>Department</b>
<b>1.</b>			
<b>2.</b>			

Day 4:

	<b>Name</b>	<b>Designation</b>	<b>Department</b>
<b>1.</b>			
<b>2.</b>			