ADVANCED PLC *TRAINING COURSES*

by InterConnecting Automation Inc.

Advanced PLC Training

Course Description and Schedule 2016 - 2017

Experience the newest and greatest technology and products in this high-tech Advanced PLC Seminar

ONLY $895 PER PERSON

Just a few of the topics we cover in this class:

- Designing and implementing control systems
- Networking wired and wireless
- Creating structured programs
- V-memory
- Special bits
- Tables and pointer commands
- Programming a working model of a robotic welder line

3 days of hands-on training taught exclusively by Doug Bell

"Doug Bell will dazzle you with his expertise. He will challenge even the most experienced engineer. Doug has trained thousands in basic PLC knowledge. He will now go on to use "Star Wars-like" technology to provide you with the most in your training experience. Only Doug can offer this training with the energy and knowledge he holds."

Ethernet

InterConnecting Automation Inc.

3821 S. 93rd Street, Milwaukee, WI 53228
Phone: 414-425-8348 Fax: 414-425-8363
Web site: www.InterConnectingAutomation.com

Fee includes:

- **Continental breakfast**
- *AutomationDirect* **PLC User Manual**
- **Training manuals**

In order to assure registration, all class fees must be received prior to the scheduled class date.

Hotel rooms are available at a discounted rate, however, reservations must be made two weeks prior to date of class.

PLC Programming

- Debug and fix programs that do not work
- Create programs based on specifications given to you in class
- Learn table and pointer commands and their use
- Learn the functions and program C-more panels
- Learn how to reduce multiple rungs of ladder logic into one
- Wire and use Terminator and DL205 Ethernet remote I/O
- Stage programming — RLL Plus
- Scaling multiple analog inputs using one rung
- Use and apply knowledge learned in the Basic PLC Seminar
- Finish the class by programming a real working model of a robotic welder line over the Ethernet network

Networking Focus

- Serial RS232 and RS422
- Ethernet — wired, wireless, fiber optic, MAC, IP, PLC addressing
- Networking with multiple PLCs and PLC master/slave
- Control motor speed from a master PLC to a slave with motor/encoder setup
- Read motor speed (*from encoder mounted on motor*) to high speed counter inputs and display on a remote PLC
- Display your motor speed on other trainers throughout the room
- Learn to use Read and Write commands and the wiring of a network
- Use photoeyes, proximity switches and encoders

Sept 20-22, 2016	**Atlanta GA***
Dec 13-15, 2016	**Atlanta GA***
Jan 31-Feb 2nd, 2017	**Dallas TX**
March 21-23, 2017	**Irvine CA**
April 25-27, 2017	**Chicago IL**
May 23-25, 2017	**Atlanta GA***

*Classes held at *AutomationDirect* Headquarters in Cumming, GA.

Please visit our Web site for an updated list of future class dates!

www.InterConnectingAutomation.com

About the Instructor: Doug Bell

Planned and coordinated automation of a Milwaukee manufacturing facility.

Designed from scratch the automation portion of a new automated can plant using AutomationDirect products exclusively.

Designed electronic control systems for more than 45 facilities worldwide using multiple vendor PLC products.

Developed and implemented a variety of cost and labor-saving equipment.

20 years experience with industrial electronics, including 17 years of PLCs.

Wide variety of applications experience, including electronic feeder controls, HVAC controls, automated test stations, coating lines, printing lines, coordinated drive systems, motion systems, high-speed applications, communication systems, PC-based control solutions and HMI systems.

Course Fee:
$895.⁰⁰ *per person*

Registration Form
(Act now - seating is limited)

Name _____

Company _____

Title _____

Address _____

Telephone _____ Fax _____

City _____ State _____ Zip _____

E-mail address _____

Location/date of class _____

Method of payment
- ❏ Check
- ❏ Purchase Order
- ❏ VISA
- ❏ Mastercard
- ❏ American Express

Credit Card or P.O. # _____

Exp. Date _____

CSV Security Code _____

(Visa/Mastercard - Last three digits of account number panel on card back, American Express - Four digit code on the front of the card just above and to the right of your main credit card number.)

Signature _____

Reply by FAX: 414-425-8363
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