

2008 Schedule of Training Courses

- January 25, 2008
Boston, Massachusetts, USA
- June 27, 2008
Stuttgart, Germany
- July 29, 2008
Chicago, Illinois, USA

Additional training courses to be scheduled in China in 2008.

Final dates and locations can be found on www.odva.org under the ODVA Calendar.

Space is limited! Register by clicking the specific seminar on the Calendar, or preregister by emailing odva@odva.org.

TRAINING COURSE PRESENTED BY



2008 ENABLERS SHOWCASE SPONSORS



4220 Varsity Drive, Suite A
Ann Arbor, MI 48108 USA



BEGINNING DEVELOPMENT OF ETHERNET/IP PRODUCTS?

NEED TO GET TO MARKET QUICKLY?

ATTEND ODVA'S TRAINING COURSE FOR NEW ETHERNET/IP DEVELOPERS!



2008 GLOBAL TRAINING COURSES
Germany
USA
China

WWW.ODVA.ORG



Quick Start for Vendors

In addition, attendees will have the opportunity to meet ODVA members who supply EtherNet/IP enabling technologies and services in the Enablers Showcase.

If you are a product engineer or manager, or if you have responsibility for turning commercial product specs into engineering specs, this course will give you the information you need to get your product to market quickly.

Locations, dates, and fees can be found on www.odva.org

**REGISTER TODAY ON
WWW.ODVA.ORG!**

Questions? Please call ODVA on +1 734-975-8840 or email us on odva@odva.org.

The course agenda covers:

- **Technical overview of the Common Industrial Protocol (CIP™) and EtherNet/IP™** including information on OSI, object model, object class, device profile, messaging, and I/O connection types with EtherNet/IP traffic examples
- **Getting started with your EtherNet/IP development** including an overview of the steps to become an official EtherNet/IP vendor, and recommendations for new developers about how to read (and in what order) *The EtherNet/IP Specification*
- **Understanding your EtherNet/IP product's functional requirements** including a discussion of device types and capabilities, defining your application data and choosing a device profile, recommended EtherNet/IP functionality, additional device functional considerations, and performance requirements
- **Choosing an implementation approach** including the different ways to implement an EtherNet/IP product, an enabling technologies overview, and Make versus Buy considerations for your individual situation
- **EtherNet/IP product design considerations** including a review of software, hardware, physical layer, and performance
- **Testing your EtherNet/IP product**, discussing EDS files, functional testing considerations, conformance testing, and interoperability testing
- **Product development case studies** showing real examples of how different companies approached EtherNet/IP development

EtherNet/IP is the most proven and complete industrial Ethernet solution available, and your company has made the decision to develop EtherNet/IP products. Congratulations!

With the flexibility and application range of EtherNet/IP comes choice. What type of functionality should be included in a product? What are the key sections of the technical specifications to read? What implementation approaches are available?

If you need a **QUICK START** to accelerate your EtherNet/IP know-how to get started with your product development, this one-day course is for you!