

Beckhoff Fieldbus Networks Workshop



\$100 discount for early registration before Jan. 1st, 2002

Take Control of Fieldbus Networks

DeviceNet



Ethernet TCP/IP

Learn from the Experts

Beckhoff Automation has industrial network know-how covering more than 15 standards. Beckhoff is a world-wide leader in providing New Automation Technology based on open networks that include Ethernet networks, open PC technology, and realtime automation software for mainstream operating systems such as Microsoft Windows NT, Windows 2000, and Windows XP.

Additional Information

Attend the workshop and gain the knowledge and experience necessary for a managing control expert in your company. The workshop's objective is to increase your knowledge of all automation and control networks, including Ethernet, and blend that knowledge with your existing experiences. No prior knowledge or experience of fieldbus networks is required.

What you will get by attending this seminar

- Practical and Theoretical knowledge of Fieldbus Networks using Rockwell and Siemens PLCs and PC based control systems
- Ethernet Controller Package valued at \$660.00
- Hands on examples using Ethernet Controller package
- Presentations on Network Technology from an automation and controls viewpoint
- Binder with all reference material, manuals, and presentations

Minneapolis, MN

Monday, Jan. 21st, 2002

Chicago, IL

Wednesday, Jan. 23rd, 2002

Toronto, ON, Canada

Friday, Jan. 25th, 2002

Detroit, MI

Monday, Jan. 28th 2002

Charlotte, NC

Wednesday, Jan. 30th, 2002

Atlanta, GA

Friday, Feb. 1st, 2002

Los Angeles, CA

Monday, Feb 4th, 2002

Session 1

Automation and Control Networks – Theory

- 09:00 am Welcome
Seminar Overview
Credentials
Advances in Automation and Controls
Fieldbus Networks Introduction
- 09:30 am Features of Fieldbus Systems
Medium Access Control
Addressing
Transmission Media
Topology
Node Hierarchy
- 10:30 am Fieldbus System details
Ethernet
Profibus
Devicenet
Sercos
- 12:00 pm Performance Comparison
- 12:30 pm Lunch

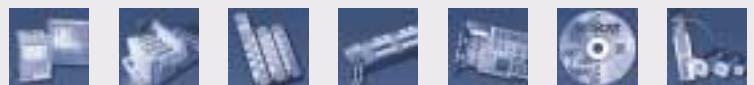
Session 2

Automation and Control Networks – Practice

- Hands-on experience on Ethernet, Profibus, DeviceNet, Sercos in small revolving group sessions using Rockwell and Siemens PLCs and PC based control systems
- 01:00 pm Network control components
Scanner Cards
Cabling
I/O modules
Software
Diagnostics software and hardware
 - 02:00 pm Network control application
Hardware installation and setup
Software configuration
Data management
Example control program
 - 04:00 pm Review and Wrap-up
 - 04:15 pm End

Seminar Cost: \$399.00 | includes Ethernet Controller Package valued at \$660.00

Beckhoff Automation LLC, Headquarters, 12204 Nicollet Avenue South, Minneapolis, MN 55337, USA, Phone: 952 / 890 0000, Fax: 952 / 890 2888, beckhoff.usa@beckhoff.com, www.beckhoff.com



BECKHOFF

New Automation Technology

Beckhoff Fieldbus Networks Workshop

Seminar Registration

Attendees will receive confirmation and seminar packages from Beckhoff containing detailed information, including seminar location prior to the event.

For group rates, please contact Beckhoff USA.

The seminar registration includes all materials and a free programmable Ethernet IO hardware demonstration kit valued at US \$660, luncheon and beverages.

Who should attend?

| CEO, CIO, CTO
| VP, Director and Manager of Engineering
| Automation Project Manager
| Application Integration Manager
| Control Design Engineer

Forum Fee

US \$399.00;
US \$299.00 for early registration before Jan. 1st, 2002

Cancellations and Substitutions

Substitutions may be made at any time at no charge. The registration fee is fully refundable up to three weeks prior to the event date. A 50 % cancellation fee will be assessed after that date.

Please mail or fax the registration to Beckhoff USA,
12204 Nicollet Ave. S., Minneapolis MN 55346;
phone 952 890 0000; fax 952 890 2888.

Register today! Space is limited due to the technical nature of the seminar and only paid registrants will be guaranteed attendance.

DeviceNet



Ethernet TCP/IP

Register me for the Fieldbus Seminar Day in

- | | |
|--|--|
| <input type="checkbox"/> Minneapolis, MN | <input type="checkbox"/> Charlotte, NC |
| <input type="checkbox"/> Chicago, IL | <input type="checkbox"/> Atlanta, GA |
| <input type="checkbox"/> Toronto, ON, Canada | <input type="checkbox"/> Los Angeles, CA |
| <input type="checkbox"/> Detroit, MI | |

- I am confirming my telephone registration
 Check is enclosed
 Bill my company
 Charge my credit card
 Number of attendees: _____

First Name Last Name

First Name Last Name

First Name Last Name

Company

Street Address

City, State, ZIP

Phone, extension

Fax

email

Billing information:

PO number

Credit card number

Name of Credit Card Holder

Address of Credit Card Holder

Expiration date

Visa

Masters

Amex

Credit card

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