

EtherCAT – The Ethernet Fieldbus.

What is EtherCAT?

- EtherCAT (Ethernet for Control Automation Technology) is the fastest Industrial Ethernet solution that provides industry leading performance, flexibility and cost advantages.

Who should attend?

- These full-day seminars specifically address end users as well as system integrators to learn about EtherCAT and other Industrial Ethernet technologies.

Why attend?

- Learn about the benefits and the challenges of Industrial Ethernet
- EtherCAT information days are educational events from the experts
- Explore and understand EtherCAT technology
- Talk with EtherCAT experts face-to-face, and see how EtherCAT can accelerate your application
- Participation is free of charge and you are cordially invited

About ETG

- EtherCAT Technology Group (ETG) – the world's largest Industrial Ethernet & Fieldbus organization with over 4,400 member companies from 65 countries supporting EtherCAT technology!



Register online today – it's free!
www.ethercat.org/2017/usa

Local Contact

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Invitation

EtherCAT Information Day North America



EtherCAT Seminars

Oct 11, 2017 | Mechanicsburg, PA
Oct 13, 2017 | Rochester, NY

Register online today – it's free!

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Sponsored by: **BECKHOFF**

Organizer: **EtherCAT**
Technology Group

Dates and Locations

Agenda

Sponsor

EtherCAT

CANADA

UNITED STATES OF AMERICA

Rochester (NY)

Mechanicsburg (PA)



Oct 11, 2017
Beckhoff Automation
Northeast Region Headquarters
and Training Center
100 Sterling Parkway, Suite 106
Mechanicsburg, PA 17055



Oct 13, 2017
DoubleTree Rochester
Jefferson Room
1111 Jefferson Road
Rochester, NY 14623

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Inscription/Light Breakfast: 8:30 am
End of Seminar: 3:15 pm

Speaker: The Fieldbus- and Ethernet-Expert, Joseph E. Stubbs, PE,
EtherCAT Technology Group Representative North America.

*Please note: 5 PE hours for continuing education credits are being
awarded for attending the seminar. Agenda is subject to change.

09:00 am Welcome, Speaker Introduction

09:15 am From Ethernet to EtherCAT: why change a winning team?
A detailed look at Ethernet, and particularly Internet
technologies, and what properties do and do not fit in
automation systems.

10:00 am Coffee Break

10:15 am EtherCAT Technology Introduction: How does it work?
A primer on EtherCAT, how it works, key functional principles,
and performance data compared to the competition.

11:00 am Generating Competitive Advantages with EtherCAT
A collection of EtherCAT applications, what the challenges
were, and how EtherCAT helped to solve the automation
challenges.

12:00 pm Lunch Break

12:45 pm EtherCAT Diagnostics and Troubleshooting
An overview of the outstanding diagnostic features of the
EtherCAT master and slaves, and how they can be used in
systems for maximizing uptime, minimizing downtime,
and assisting with troubleshooting a network.

01:30 pm Coffee Break

01:45 pm EtherCAT P
I/O Power and EtherCAT in One Cable.

02:30 pm Migration from Classical Fieldbus Systems: Best Practice
Upgrading from a legacy fieldbus to EtherCAT in a running
system – a practical approach.

03:00 pm Q&A and wrap-up



BECKHOFF

Beckhoff implements open automation systems based on PC Control technology. The product range covers Industrial PCs, I/O and Fieldbus Components, Drive Technology and automation software. Products that can be used as separate components or integrated into a complete and seamless control system are available for all industries. The Beckhoff "New Automation Technology" philosophy represents universal and open control and automation solutions that are used worldwide in a wide variety of different applications, ranging from CNC-controlled machine tools to intelligent building automation.

www.beckhoffautomation.com