

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 Industrial Ethernet. EtherCAT P (which combines communication and power in one cable) will be presented as well.

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 3,800 member companies from 62 countries supporting EtherCAT technology!



Register online today – it's free!
www.ethercat.org/2016/USA

Local Contact

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Invitation

EtherCAT Information Day North America



EtherCAT Seminars

October 11, 2016 | Charlotte (NC)
October 13, 2016 | Cincinnati (OH)

Register online today – it's free!
www.ethercat.org/2016/USA

Supported by: **BECKHOFF**

Organizer: **EtherCAT**
Technology Group

Dates and Locations



October 11, 2016
Hilton Charlotte Executive Park
5624 Westpark Drive
Charlotte, NC 28217



October 13, 2016
Embassy Suites Cincinnati NE
4554 Lake Forest Drive
Blue Ash, OH 45242

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Agenda

EtherCAT

Inscription/Light Breakfast: 8:30 am
End of Seminar: 4:30 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.

- 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 (Provided)**
- 1:00 pm Overview of EtherCAT P**
Communication and power in one cable.
- 2:00 pm EtherCAT Diagnostics and Troubleshooting**
A 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.
- 3:00 pm Break**
- 3:15 pm Migration from Classical Fieldbus Systems: Best Practices**
Upgrading from a legacy fieldbus to EtherCAT in a running system – a practical approach.
- 4:00 pm Q&A and wrap-up**

Sponsor



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