EtherCAT

EtherCAT

Vancouver

CANADA

Savage

Montreal

Boston

Columbus

Philadelphia

USA

San José

Houston

Orlando

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Organized by:

EtherCAT
Technology Group

Sponsored by:

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Invitation
EtherCAT Information Days North America 2022

9:00 am - 3:15 pm

July 11	Savage, MN
July 18	San José, CA
Sept 27	Boston, MA
Sept 29	Montreal, QC
Oct 14	Columbus, OH
Nov 15	Vancouver, BC
Nov 17	Philadelphia, PA
Dec 8	Houston, TX

Register online today – it's free!

www.ethercat.org/2022/na

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 seminar specifically addresses students, end users, system integrators, OEMs, product manager, decision makers and device manufacturers to learn about EtherCAT and Industrial Ethernet, but also the latest trends like Industry 4.0, IoT, OPC UA, TSN, and EtherCAT G

Why attend?

- Learn about the benefits and the challenges of Industrial Ethernet

- Explore and understand EtherCAT technology

- Talk with EtherCAT experts face-to-face, and see how EtherCAT can accelerate your application

- Discover the future of EtherCAT through gigabit performance and the integration of several communication technologies

- Discover how EtherCAT could generate a performance and competitive advantage

About ETG

- EtherCAT Technology Group (ETG) - the world's largest Industrial Ethernet and Fieldbus organization with over 6,800 member companies from 69 countries supporting EtherCAT technology

EtherCAT
Technology Group

Speaker | Locations

Timetable | Agenda

Speaker

- **Robert B. Trask**
  EtherCAT Technology Group
  Representative North America
  Fieldbus- and Ethernet-Expert

Locations

- **July 11 | Savage (MN), USA**
  Beckhoff Automation
  Savage

- **July 18 | San José (CA), USA**
  Beckhoff Automation
  Silicon Valley Technical Center

- **Sept 27 | Boston, (MA), USA**
  Beckhoff Automation
  Burlington

- **Sept 29 | Montreal (QC), CA**
  Hotel Mortagne
  Boucherville

- **Oct 14 | Columbus (OH), USA**
  Brick House Blue
  Dublin

- **Nov 15 | Vancouver (BC), CA**
  Executive Suites Hotel &
  Conference Centre
  Burnaby

- **Nov 17 | Philadelphia (PA), USA**
  Beckhoff Automation
  Wayne

- **Dec 8 | Houston (TX), USA**
  Beckhoff Automation
  Houston

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Timetable

- Registration on site and light breakfast: 8:30 am

- Start of seminar: 9:00 am
- End of seminar: 3:15 pm

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

Agenda

- **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.

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

- **EtherCAT Diagnostics and Troubleshooting**
  A overview of the outstanding diagnostic features of the EtherCAT controller and devices, and how they can be used in systems for maximizing uptime, minimizing downtime, and assisting with troubleshooting a network.

- **EtherCAT P**
  I/O Power and EtherCAT in One Cable.

- **Generating Competitive Advantages with EtherCAT**
  A collection of EtherCAT applications, what the challenges were, and how EtherCAT helped to solve the automation challenges.

- **Next-Gen Connectivity: EtherCAT powers the digital transformation**
  How EtherCAT enables the digital transformation in the context of TSN, OPC UA, IoT, and Industry 4.0

- **Q&A, Wrap-up**

EtherCAT Technology Group   www.ethercat.org

The EtherCAT Technology Group keeps EtherCAT technology open for all potential users. It brings EtherCAT device manufacturers, technology providers, and users together to further the technology. It provides multiple Technical Working Groups where experts carefully work on various specific aspects of EtherCAT. All of these activities are focused on one common goal: keeping EtherCAT stable and interoperable.

BECKHOFF   www.beckhoffautomation.com

Beckhoff implements open automation systems based on PC Control technology. The product range covers Industrial PCs, I/O and Fieldbus Components, Drive Technology and auto-mation 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 cost-effective machine control in all industries to digital transformation in cloud-connected adaptive manufacturing systems.