Burnaby

What is EtherCAT?

■ EtherCAT (Ethernet for Control Automation Technology) is the fastest Industrial Ethernet solution that sets industry benchmarks in performance, flexibility and cost efficiency.

Who should attend?

■ This free-of-charge seminar is addressed to automation professionals, device manufacturers, system integrators, product managers, decision-makers, and students. Here, you will learn about EtherCAT and Industrial Ethernet, along with current trends such as gigabit performance for EtherCAT and cyber security.

Why attend?

■ learn about the benefits and challenges of Industrial Ethernet

■ explore and understand EtherCAT technology

■ talk face-to-face with an EtherCAT expert, and see how EtherCAT can accelerate your application or project

■ EtherCAT seminars are educational events from the EtherCAT Technology Group.

■ 5 PDH hours for continuing education credits (Recognized by EGBC) are being awarded for attending the seminar.

About ETG

■ EtherCAT Technology Group (ETG) is the world's largest Industrial Ethernet Fieldbus organization with over 7,700 member companies from 75 countries who support EtherCAT technology.

Invitation
EtherCAT Technology Day Canada 2024

Tuesday, July 23 | Burnaby, BC

Sponsored by: **BECKHOFF**

Register online today – it's free!
www.ethercat.org/2024/canada

Contact

EtherCAT Technology Group
ETG Headquarters
Ostendstraße 196
90482 Nuremberg, Germany
☎ +49 911 54056 20
✉ info@ethercat.org
www.ethercat.org

Organization

Beckhoff Automation Ltd.
Sales office Vancouver
Metrotower 1
Burnaby, BC V5H 4M2
Canada
☎ +1 604-358-4782
www.beckhoff.ca

Organized by:

EtherCAT
Technology Group

Speaker | Location

ETG Speaker

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

Location

Tuesday | July 23 | Burnaby, BC

British Columbia Institute of Technology
3700 Willingdon Ave
Burnaby, BC V5G 3H2
Building SE2 rooms 212A and 212B

How to get there

Register online today – it's free!
www.ethercat.org/2024/canada

Timetable | Agenda

Timetable

- Registration/Light breakfast::   8:30 am
- Start of seminar: 9:00 am
- End of seminar: 3:15 pm

Breakfast and lunch included

Use the chance to talk to the EtherCAT experts and product specialists and discover some EtherCAT demos on site during the breaks.

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**

Sponsor

BECKHOFF

www.beckhoff.ca

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.

Organized by:

EtherCAT.
Technology Group