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www.ethercat.org/2022/israel



Invitation EtherCAT Seminar Israel 2022



November 20, 2022 | Tel Aviv
Kfar Maccabiah Hotel

Organized by:



Sponsored by:

BECKHOFF

Contact

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Sponsor

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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?

- This seminar specifically addresses end-users, system integrators, OEMs, product manager, decision makers, device manufacturers, but also students to learn about EtherCAT and Industrial Ethernet.

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
- See the EtherCAT roadmap for the future through gigabit performance and the integration of emerging communication technologies
- Discover how EtherCAT could generate a performance and competitive advantage

About ETG

- EtherCAT Technology Group (ETG) - the world's largest Industrial Ethernet Fieldbus organization with over 6,900 member companies from 70 countries supporting EtherCAT technology

Speakers | Date, Location



Speakers



Oliver Fels
Technology Marketing
EtherCAT Technology Group



Alessandro Figini
Technology Development Expert
EtherCAT Technology Group

Presentations will be held in English language.
Order and titles of presentations may vary.

Private sessions:

Feel free to use the chance to meet the EtherCAT experts at a private meeting after the seminar (request via online registration form).

Date, Location



Sunday, November 20
Kfar Maccabiah Hotel
Peretz Bernstein Street 7
Ramat Gan
Tel Aviv-Yafo, Israel

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Timetable | Agenda



Timetable

- Registration on site: 9:00
- Start of seminar: 9:30
- End of seminar: 16:00

Agenda

- **EtherCAT technology highlights and benefits: From Ethernet to EtherCAT**
Removing the bottlenecks with EtherCAT: processing on the fly!
A primer on EtherCAT, how it works, key functional principles, integrated safety and performance data compared to the competition.
- **EtherCAT and cybersecurity**
A view on the robustness of EtherCAT against cyber threats.
- **What's next? EtherCAT G + G10**
EtherCAT G offers the next performance level for high-performance machines and data-intensive applications. Parallel processing of segments enables significantly reduced propagation delay times with full EtherCAT compatibility and integration of 100 MBit/s EtherCAT devices.
- **EtherCAT applications**
See various examples of successful EtherCAT applications, like in robotics, marine, or oil & gas industry.
- **Beckhoff application presentation**
Learn about an outstanding and local application, enhanced by EtherCAT.
- **Get it done I: EtherCAT master implementation**
Learn how to start with an EtherCAT master. We will look at the requirements, specifications and a master stack.
- **Get it done II: EtherCAT slave implementation**
Learn how to start with a slave device. We will look at the requirements, conformity and certification. Have a head start knowing the right tools and documents, including a live demonstration.
- **Installation and diagnosis: How to build and maintain an EtherCAT network**
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.



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

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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.

