

## Registration

Would you like to know ...

... who can provide development support?

... how you can develop an IO-link Wireless Device?

... which tools and aids are available?

The IO-Link Wireless Workshop provides answers to these questions. In application-oriented presentations you will get a compact overview of this enabling technology for industry 4.0. Comprehensive live demonstrations and hands-on sessions demonstrate the „easy to use“ IO-Link Wireless system with associated hardware and software solutions.

### Date:

**27 June 10:00 hrs - 28 June 16:00 hrs**

### Location:

Helmut Schmidt Universität Hamburg  
Competence Center IO-Link Wireless i.G.  
Holstenhofweg 85, 22043 Hamburg, Germany

### Participation Fees:

190.00 €, including lunch, drinks and come together.

### Online Registration:

[www.io-link.com/wireless\\_workshop](http://www.io-link.com/wireless_workshop)

If you have any questions, please contact us directly by email at [info@io-link.com](mailto:info@io-link.com) or by phone at +49 721/96 58 590.

*The participation fee is 190 €. Every registration will be confirmed separately by mail by the organizer. Invoicing takes place before the workshop. In the event of overbooking, the order of registrations is decisive. The organizer reserves the right to cancel the event if participation is too low.*



# BALLUFF



# FESTO



## The IO-Link Community

194 companies from the fields of industrial automation and communication. Device, master and technology providers from all over the world.

- › Technology & Standardization
- › Public Relations / Press / Website
- › Fairs and Exhibitions
- › Requirements management
- › IO-Link Workshops

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Universal · Smart · Easy

## IO-Link also becomes wireless



## 1st IO-Link Wireless Workshop

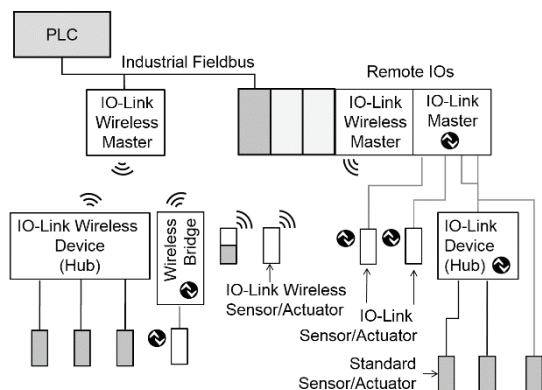
June 27-28, 2018 in Hamburg (Germany)

## IO-Link Wireless

### The Time Is Now

**IO-Link is the first globally standardized technology (IEC 61131-9) for communication with sensors and actuators below the fieldbus level.**

IO-Link Wireless defines wireless communication between sensors/actuators and controllers (PLC) in the field of industrial automation. Performance and functionality is comparable to wired solutions. IO-Link Wireless offers „real-time latency times“ of 5 ms for communication with up to 40 devices (sensors or actuators). Reliability is above  $10^{-9}$  Packet Error Probability (PEP) by combining proven Bluetooth radio technology with media access specifically designed for automation. IO-Link Wireless supports „roaming functions“ and the possibility of operating battery-powered or „energy-harvesting“ sensors with low energy consumption within a „real-time network“. One of the key features of IO-Link Wireless is its compatibility with industrial and process automation protocols. Planning, commissioning, operation and maintenance can be carried out using standard IO-Link tools. This guarantees backwards compatibility with wired IO-Link systems.



## Targets

The aim of the workshop is to provide device manufacturers with a comprehensive overview of the IO-Link Wireless technology. The interaction of the different components (master, device, engineering, PLC) as well as the handling and configuration of these components will be demonstrated live.

You will receive answers to the following questions:

- › What are the advantages of IO-Link Wireless for the user?
- › What are the use cases for this technology?
- › How does a complete IO-Link Wireless system work?
- › What tools and supporting components are available to develop an IO-Link Wireless Device?
- › Where can I get support?

## Agenda

### 27. Juni

- 10:30 Welcome Speech
- 10:45 IO-Link Wireless WG: Overview IO-Link Wireless
- 12:15 Lunch break
- 13:15 CoreTigo: Industrial IoT wireless mission-critical applications
- 14:15 Coffee break / open discussion
- 14:30 Texas Instruments: Industry's broadest wireless connectivity portfolio
- 15:30 Coffee break / open discussion
- 15:45 Kunbus: IO-Link Wireless as Industrie 4.0 Gateway

- 16:45 HSU Competence Center IO-Link Wireless i.G.: Catalogue of possible support
- 17:45 Come together
- 21:00 End

### 28. Juni

- 09:30 Welcome and division into groups
- 09:45 Session 1.
- 11:00 Coffee break / open discussion
- 11:30 Session 2.
- 12:45 Lunch break
- 13:30 Session 3.
- 14:45 Summary / discussion
- 16:00 End

### Topics of the Sessions:

**CoreTigo:** IO-Link Wireless

Development-Kits

**HSU Competence Center IO-Link**

**Wireless i.G.:**

Possibilities of support in the laboratory

**Kunbus:** IO-Link Wireless Master/Slave

Development Toolkits

### Target Groups:

Device manufacturers, automation vendors, developers, design engineers, electrical engineers and people interested in an IO-Link Wireless system overview.