

16.10.2025

W3C Web of Things Community Group Online Meetup 29:

# OPC UA and Web of Things



**Erich Barnstedt**

Senior Director & Architect  
at Microsoft



**Sebastian Käbisch**

Industrial IoT Expert  
at Siemens



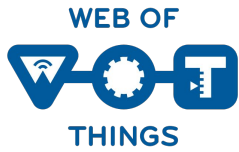
# Agenda

- Welcome
- News from the WoT CG
- Presentation by Erich and Sebastian
  - OPC UA and Web of Things
  - Q&A Session
- Discussion
- Wrap up

Intro slides are publicly available:

<https://docs.google.com/presentation/d/1SeGbmA9skmgVQEbsnO2904Lj8ztp-HsCX9M3MIxbSWc/edit?usp=sharing>

# W3C Community Contributor License Agreement (CLA)



We would like to remind you that contributions to the CG are subject to W3C Community Contributor License Agreement. Please visit:

<https://www.w3.org/community/about/process/cla/>

These include contributions to the repository or any reports we may write in the future.

# Greetings

## WoT CG Co-Chairs:

### Ege Korkan

- Email: [ege.korkan@siemens.com](mailto:ege.korkan@siemens.com)
- Twitter: [@egekorkan](https://twitter.com/egekorkan), GitHub: [@egekorkan](https://github.com/egekorkan)



### Cristiano Aguzzi

- Email: [relu.cri@gmail.com](mailto:relu.cri@gmail.com)
- Twitter: [@relucris](https://twitter.com/relucris), GitHub: [@relu91](https://github.com/relu91)



# WoT CG in the Web

- Discord: <https://discord.gg/RJNYJsEgnb>
- Calendar: <https://www.w3.org/groups/cg/wot/calendar>
- YouTube: <https://www.youtube.com/@WoTCG>
- GitHub repository: <https://github.com/w3c/wot-cg>
- Homepage: [www.w3.org/community/wot/](http://www.w3.org/community/wot/)
- Administrative information: <https://www.w3.org/groups/cg/wot>
- Email List: [public-web-of-things@w3.org](mailto:public-web-of-things@w3.org)
- W3C WoT: [www.w3.org/WoT/](http://www.w3.org/WoT/)

# Link Slide

- [Join W3C WoT CG](#)
  - [Calendar](#)
  - [Discord](#)
  - [YouTube](#)
  - [GitHub](#)
  - [Mailing List](#)
- [W3C WoT Homepage](#)
- [Tutorial Homepage](#)

[Today's Intro Slides](#)

# Meeting Logistics

- Minute Taking:
  - Visible at <https://hackmd.io/@egekorkan/w3c-wot-cg-minutes>
  - Editable by scribes, commentable by everyone, usage explained in document
  - Ege will be scribing today
- Questions: Use chat. We will respect the order

# Where did you hear about this event?

Please answer the poll in the chat

# News from the WoT CG

- Next Events:
  - Office Hours: Join in and ask questions to chairs, get implementation advice!
    - Every Thursday alternating between 9am CEST and 5pm CEST
  - [W3C TPAC at Kobe, Japan](#): CG Meeting on Friday 14th of November.
- Two new tutorial videos are online:
  - Last one:  
<https://w3c.github.io/wot-cg/tutorials/whatiswot/docs/wot/td/introduction>
  - More are underway. Let Ege know if you want to be involved in the process (meeting every Friday)

# News from the WoT CG

- TPAC Summary of CG in 2025
  - Storyboard for the video in the next slide
  - Express your opinions at <https://github.com/w3c/wot-cg/issues/221>

Let us know if you are interested to give a talk for a meetup!

Join the CG to contribute and stay in the loop!



Animation: W3C and WoT logo appear

## COMMUNITY GROUP UPDATE



Animation: Stacked circles reveal the different areas the video will cover

Script: Over the past year, the Web of Things community has continued to steadily grow - reaching new domains and connecting more people, devices, and ideas than ever before. We're excited to share some of our highlights with you.

**9** Meetups **5** Tutorials **50%** Discord Community Growth

Animation: Numbers start from 0 and increase up to their shown values showing how the community has grown for the past year.

Script: We've seen incredible momentum. In the last twelve months, we organized nine new meetups, released five new tutorials, and our Discord space grew by more than 50%.

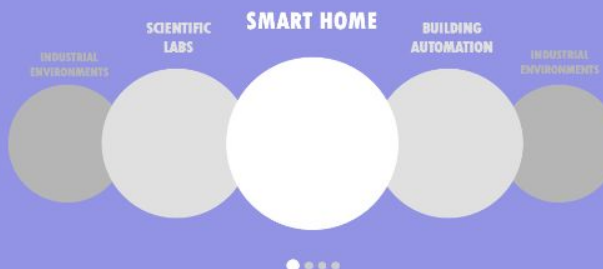
Munich,  
November 25-29

# WoT WEEK



Animation: Some snippets from the WoT Week video are shown.

Script: One of our biggest highlights was WoT Week - a dedicated event that brought the community together to share demos, showcase implementations, and discuss what's next for the Web of Things.



Animation: Carousel animation scrolls through different application domains which have been explored in the meetups - each box shows either a small video snippet or thumbnail.

Script: These efforts have brought together a diverse mix of contributors - from commercial teams and research groups to independent developers and hobbyists. Together, they're exploring WoT's potential across different domains ranging from smart homes, building automation, scientific labs, and industrial environments.

## JOIN OUR COMMUNITY



Animation: A final screen showcasing social media where people can find us, possibly including a QR code that allows them to join our Discord directly.

Script: As we look ahead, we're excited to keep growing. If you're curious about the Web of Things and want to become part of our community, you can join our Discord server by scanning the QR code, or explore our projects on GitHub or Youtube.

# How to Join WoT CG?

CG Participation requires no W3C membership, thus it is free.

You create a W3C account and go to our homepage at

<https://www.w3.org/community/wot/>

**JOIN OR LEAVE THIS GROUP**

# Video Recording

We will be recording the speaker and stop the recording at the start of the Q&A session

# Speakers

Erich Barnstedt ([LinkedIn](#) | [GitHub](#)) from Microsoft

Erich has worked in various engineering roles at Microsoft for over 22 years, initially in the Windows team and later in the Azure team. Throughout his career, he worked in the automotive and manufacturing verticals and is the founder of both the Windows and the Azure Industrial IoT teams. He is the inventor of many Industrial IoT products from Microsoft. More recently, he shifted his work to the support of open industrial standards in Microsoft products as well as commitments to open-source and consortia work in the Corporate Standards Group at Microsoft as Senior Director and Architect.

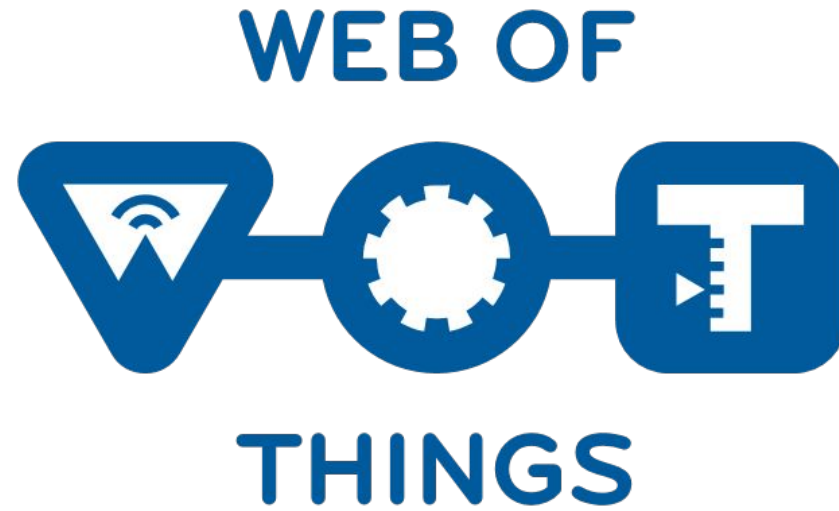


# Speakers

Dr. Sebastian Käbis ( [LinkedIn](#) | [GitHub](#) ) from Siemens

Dr. Sebastian Käbis is a Principal Key Expert at Siemens Foundational Technologies in Munich, Germany. His work focuses on the efficient realization and usage of standardized Internet & Web technologies for the Industrial Internet of Things domain. He leads strategic initiatives, research, and development for Siemens business units such as industrial and building automation. Sebastian is co-chair of the W3C Web of Things and chairs the OPC UA Binding for Web of Things working group at the OPC Foundation.





When asking questions, please briefly introduce yourself

# Presentation and Question Session

# OPC UA and Web of Things

# Stay in Touch

- Join our Discord: <https://discord.gg/RJNYJsEgnb>
- Send Emails to [public-web-of-things@w3.org](mailto:public-web-of-things@w3.org)
- Open GitHub Issues or start GitHub Discussions at <https://github.com/w3c/wot-cg>
- All future events are visible in our calendar at <https://www.w3.org/groups/cg/wot/calendar>

# Meeting Minutes

Available after the meeting in our repository.

Official Position at  
Company

**John Doe**



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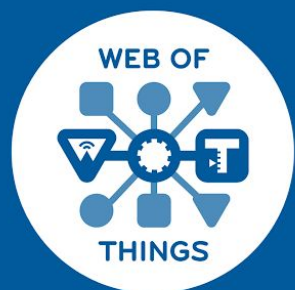
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