

W3C Web of Things Community Group

TPAC 2023 - Group Introduction and WG Collaboration

Cristiano Aguzzi - Ege Korkan

11-16 September 2023

Agenda

- Greetings
- Short Introduction to WoT
- Latest updates from the WoT CG
- Introduction to WoT CG
- Discussion on future goals and relationship with the WoT Working Group



Slides are publicly available

<https://shorturl.at/fpAM2>

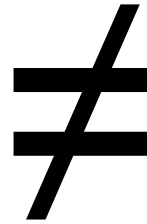
CG WG Distinction



WoT CG

WoT CG is open to everyone and is not required to be a W3C member.

Goal: Outreach and community support (tutorials and Q&A)



WoT WG

WoT WG is reserved to W3C members and its work is endorsed by whole W3C. Any artifact produced is protected by W3C patent policy.

Goal: fulfil its charter mission by writing Rec documents and notes.

The W3C Web of Things

A short introduction

Group Update

What happened in the last year

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>
- CG GitHub repository: <https://github.com/w3c/wot-cg>
- CG page with blog posts: www.w3.org/community/wot/
- Administrative information: <https://www.w3.org/groups/cg/wot>
- Email List: public-web-of-things@w3.org

Group Update Video

<https://www.w3.org/2023/09/TPAC/demos/what-is-wot.html>



Tutorial Series

The Community Group started its activities of community building with the creation of a tutorial series.

Goal: Onboard newcomers with different levels of expertise.

Current status: We have content for 13 tutorial videos and 4 of them are ready to be reviewed and published.

The tutorial series will be hosted not only in our YouTube channel but also in written form in a dedicated website built with Docusaurus.

Current Numbers



Participants: 261



Discord: 81



YouTube Channel: 26



it's something

Participants lists changes after rebirth in activity

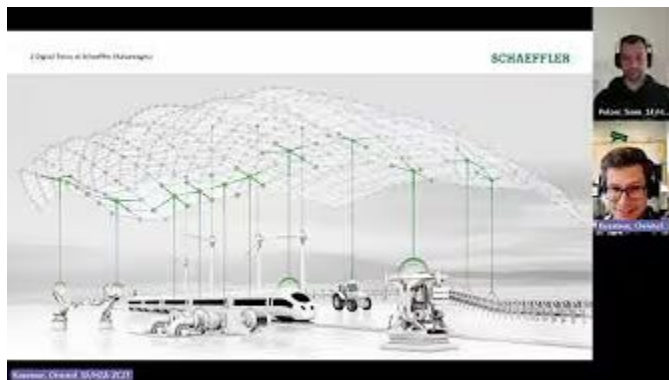
New organizations:

- University of Bath
- National Technical University of Athens
- Gooroom Co., Ltd.
- Robert Bosch GmbH
- Rokaware SL (Netzo)
- Deutsche Telekom AG
- Luminem
- Stiftelsen for internetinfrastruktur (IIS)
- HiveMQ GmbH
- WebDINO

39 new participants, 18 left

Meetups

Meetups are community hosted meetings where we call industrial adopters to bring their implementation experience with Web of Things.



Advantages and Challenges of Web of Things for Digital Twins

Schaeffler AG



Web Scale Agents with WoT and No-Code Applications in IoT

IntelloIoT Project



Automated Industrial Asset Onboarding Using Open Standards

Microsoft, Siemens, evosoft

Total meetups hosted: 8. More coming in October.

Introduction to WoT CG

WoT CG is 10 years old!

How come?

Dave Raggett has created the CG 10 years ago

<https://www.w3.org/community/wot/2013/07/29/welcome-to-the-web-of-things-community-group/>

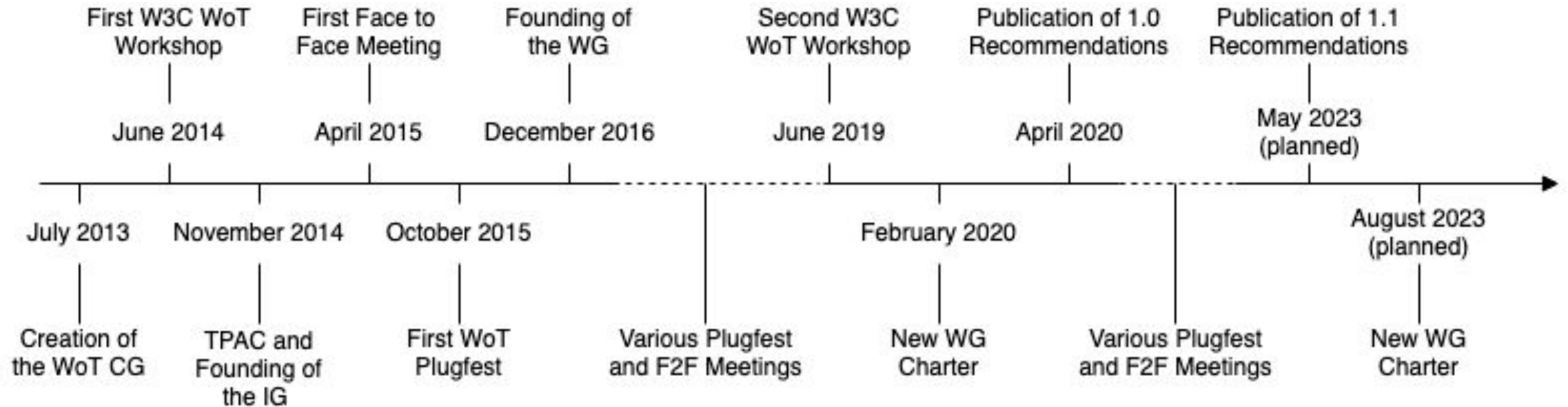
After the incubation, IG was formed and then the WG

Renewed Charter on August 2022

<https://lists.w3.org/Archives/Public/public-web-of-things/2022Aug/0000.html>

History of WoT as a whole

From <https://www.w3.org/WoT/about/history/>



Mission of the WoT CG

Outreach and community support (tutorials and Q&A)

Outreach

- Event organization: Meetups to showcase WoT Implementations and Products
- Chat Platform (Discord)

Community Support

- Office Hours
- Tutorial

Future

- Keep what is working great
 - Outreach
 - Tutorials and Showcasing
 - Discord
- Establish contributions to the WG
 - Bindings
 - Use Cases
- New Ideas at TPAC
 - Possible incubation of features. Examples:
 - Solid CG incubating ideas for the proposed WG
 - WebAssembly CG

Binding Contributions

The WG probably cannot write all bindings on its own. Plus, there are people who are not WG members but are experts of protocols.

When there is a registry in TD, other groups and SDOs can contribute to it. Such submissions can be linked to a use case or not (upto the WG to decide).

Which resource is owned by who. Liaisons.

Use Case Contributions

Similar to Binding contributions. We will discuss this in the final session of the WoT WG at 17:00.

https://www.w3.org/WoT/IG/wiki/Main_WoT_WebConf/2023_WoT_T_PAC_Agenda#Friday_28Sep_15.29_14:30-18:30_CEST_284h.29:_WoT_WG.2FIG_Meeting_-_Day_2

How to Contribute

Current CG Charter:

Deliverables

Specifications

No specifications will be produced under the current charter.

Non-Normative Reports

The group may produce other Community Group Reports within the scope of this charter that are not specifications, for instance use cases, requirements, implementation experience reports, or white papers.

Test Suites and Other Software

There are no plans to create a test suite.

Working on Reports

A CG report can be a binding or use case submission to the WG.
Opinions? Should the charter change to allow this?

Liaison Proposal

<https://github.com/w3c/wot-cg/blob/main/liaisons.md>

Propose adding:

Web of Things Working Group - Standardization Web of Things
Normative Specifications

(already what is happening)

OR

Web of Things Working Group - Collaborate on Web of Things Bindings
and Use Cases

(highlighting the collaboration and contributions to WG)

Stay in Touch

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

Meeting Minutes

Available after the meeting as a Pull Request on our GitHub Repository