


## Ege Korkan

My Events (/app/speaker/events) / API Specifications Conference ... (/app/speaker/event/details/5712)  
/ **Thing Models, Discovery and mo...**

 [Public Profile \(/ege-korkan/\)](/ege-korkan/)


## API Specifications Conference 2021 in 115 days

 [Event Details \(/app/speaker/event/details/5712\)](/app/speaker/event/details/5712)

 [Contact Organizer](#)

Your submission is **in evaluation**.

## Thing Models, Discovery and more updates from the W3C Web of Things

 [Edit session \(/app/speaker/session/edit/265705\)](/app/speaker/session/edit/265705)

### Description

(formatted in markdown)

As a member of the W3C Web of Things Working Group, I will be talking about the recent work of the working group and I will do a hands-on demonstration in a smart home use case and industrial automation. This will be building upon my last year's talk (<https://sched.co/deol> (<https://sched.co/deol>)).

After the publication of the Thing Description (TD) Recommendation, the working group has been developing ways to discover TDs through the [WoT Discovery process](<https://www.w3.org/TR/wot-discovery/> (<https://www.w3.org/TR/wot-discovery/>)) and also on the Thing Model which brings modeling mechanisms inspired by object-oriented programming to have reusable TD snippets (<https://www.w3.org/TR/wot-thing-description11/#thing-model> (<https://www.w3.org/TR/wot-thing-description11/#thing-model>)).

TDs allow developers to write API Consumers in different application domains and in a protocol-abstracted fashion. I will demonstrate this with a live-coding session and writing code snippets that look very similar but are able to work in a smart home environment and in industrial automation, showcasing how the concepts of the Web can be used in a variety of domains.

**Session format**

Talk

**Level**

Intermediate

**Tags**

JSON Schema

Design

**Code of Conduct**

Yes

✘ We use cookies to improve your browsing experience. [Details \(/privacy-policy/\)](/privacy-policy/)

**Slide/Presentation Recording Submission Agreement****Notes and comments**

Note1: The two specification documents linked above will have an almost final stage at the time of the conference.

Note2: The outline will be as follows:

- Recap on the Thing Description and the Web of Things.
- Thing Model mechanism
- TD Discovery
- Live-coding with 2 use cases

**Submitted**

4 Jun 2021 4:13 PM

**Ege Korkan**

W3C WoT Working Group

Ege Korkan is a Ph.D. candidate in the Embedded Systems and IoT group of the Technical University of Munich in Germany. He contributes to the standardization efforts of Web of Things at the World Wide Web Consortium and researches on using Web of Things technologies during the design, test, and diagnosis of decentralized systems.

✉ [egekorkan@gmail.com](mailto:egekorkan@gmail.com) (mailto:egekorkan@gmail.com)

**What gender do you identify with?**

**What race do you identify with?**