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W3C Web of Things Community Group Online Meetup 28:

An Open-source Software Stack for IoT Virtualization and Convergence with Edge Computing Technologies



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Postdoctoral
Researcher



Nikos Filinis

PhD Student



Agenda

- Welcome
- News from the WoT CG
- Presentation by Dimitris and Nikos
 - An Open-source Software Stack for IoT Virtualization and Convergence with Edge Computing Technologies
 - Q&A Session
- Discussion
- Wrap up

Intro slides are publicly available:

<https://docs.google.com/presentation/d/1iQjM7CGnVCx1XQCK2bi3ilfUCfIDwqTdjEng5ebfCEQ/edit?usp=sharing>

Greetings

WoT CG Co-Chairs:

Ege Korkan

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



Cristiano Aguzzi

- Email: relu.cri@gmail.com
- Twitter: [@relucri](https://twitter.com/relucri), 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/
- Administrative information: <https://www.w3.org/groups/cg/wot>
- Email List: public-web-of-things@w3.org
- W3C WoT: www.w3.org/WoT/

Meeting Logistics

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

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
- Two new tutorial videos are in review:
 - Have a look at our Pull Requests at <https://github.com/w3c/wot-cg/pulls>
 - More are underway. Let Ege know if you want to be involved in the process (meeting every Friday)

News from the WoT CG

- W3C TPAC in Kobe, Japan, 10-14 November
 - [Community Group meeting](#) is planned for the 14th of November
 - Chance to meet the entire W3C community
 - Let Ege or Cristiano know if you are interested to be there in person
 - <https://www.w3.org/2025/11/TPAC/Overview.html>

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

Join the CG to contribute and stay in the loop!

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

Dimitris Spatharakis ([LinkedIn](#)) and Nikos Filinis ([LinkedIn](#) | [GitHub](#))

from the NETMODE Lab at the National Technical University of Athens (NTUA)

Dimitrios Spatharakis is a postdoctoral fellow in the NETMODE Lab at NTUA. His research interests focus on IoT, cyber-physical systems, edge computing and cloud computing. He has been involved as a researcher in several European and National R&D projects.



Nikos Filinis is pursuing his PhD at NTUA. His research interests lie in the areas of intelligent orchestration mechanisms for cloud and edge computing resources, reinforcement learning, software stacks for IoT, 5G networks and software development.



Presentation and Question Session

An Open-source Software Stack for IoT Virtualization and Convergence with Edge Computing Technologies

Stay in Touch

- Join our Discord: <https://discord.gg/RJNYJsEgnb>
- Send Emails to 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.