



Newsletter 7

June 2023



ARCADIAN-IoT Summer School

IoT Cybersecurity: tackling challenges and opportunities

This September, ARCADIAN-IoT Summer School presents a unique opportunity to gain a deep dive into the rapidly evolving landscape of IoT cybersecurity.

We are delighted to invite PhD students and young researchers to join us in Stockholm from 4-8 September 2023 for an intensive and engaging week of learning and networking.

Why Attend?

- Gain in-depth knowledge of IoT cybersecurity, with topics covering IoT architecture and protocols, privacy and security, cloud-based security, and much more.
- Engage with leading experts in the field, learn from their experiences, and discover the latest research, developments, and best practices.
- Showcase your own research and get constructive feedback from an international group of experts.
- Earn official certification and have the opportunity to gain 3 ECTS credits.
- Develop a network with fellow researchers and experts from across the globe.

The ARCADIAN-IoT Summer School will be held at RISE - Research Institute of Sweden.

Secure your spot now at ARCADIAN-IoT Summer School and get ready to take a significant leap in your IoT cybersecurity expertise.

We look forward to welcoming you to Stockholm in September.

[Info and registration](#)

LATEST NEWS



**The 1st International Workshop on
Trust in AI, Services and Networking - TAISEN 2023
Co-located with ICNP 2023
October 10-13, 2023 - Reykjavik, Iceland**

Call for papers: TAISEN 2023

TAISEN 1st workshop aims to be a forum for researchers and engineers from academia and industry to present and discuss novel ideas, solutions and results aiming to provide a solid contribution towards trust in AI, protocols, services and networks in open ecosystems by interconnecting communities of AI, protocols for security and network security.

Authors are invited to submit unpublished papers with novel research contributions, addressing trust in AI, protocols, services and networks in open ecosystems by interconnecting communities of AI, protocols for security and network security.

[Read more](#)



ARCADIAN-IoT

WEBINAR SERIES

Building a secure IoT ecosystem

1

SECURING IoT DEVICES: BEST PRACTICES AND EMERGING TECHNOLOGIES

ARCADIAN-IoT Webinar Series addresses IoT security challenges

The ARCADIAN-IoT project hosted the first webinar on 9th June. The webinar, titled "Securing IoT Devices: Best Practices and Emerging Technologies," focused on addressing the complex challenges facing IoT security in today's connected world.

[Read more](#)

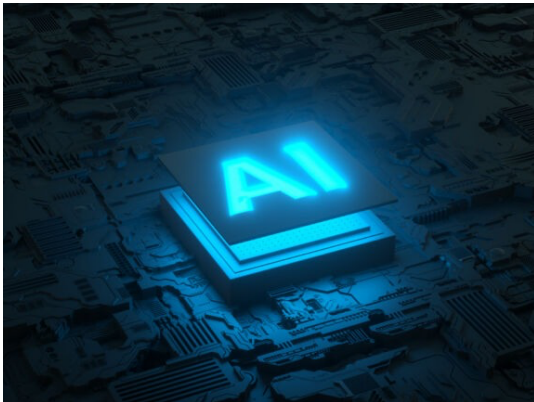


ARCADIAN-IoT 5th consortium meeting: Collaborative steps towards a more secure IoT ecosystem

From March 22nd to March 24th, 2023, the ARCADIAN-IoT consortium gathered in Rome for its 5th consortium meeting. The event, hosted by E-lex, one of the project partners, facilitated critical discussions, updates, and demonstrations surrounding our ongoing project.

[Read more](#)

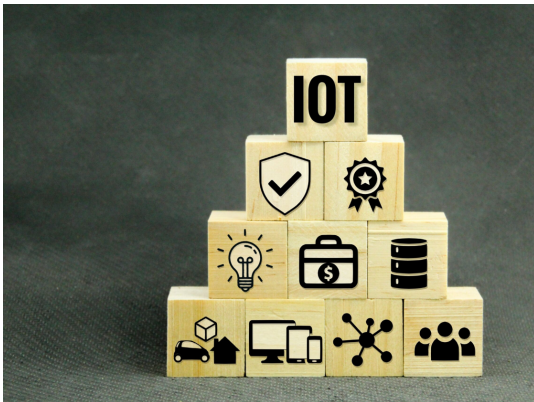
BLOG POSTS



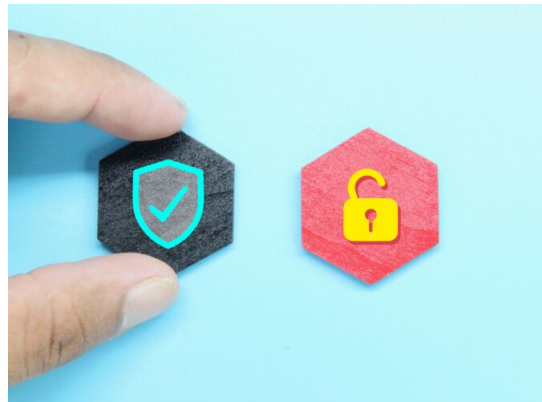
Federated AI: the key to dependable and privacy-preserving IoT in the ARCADIAN-IoT



IoT security with Permissioned Blockchain

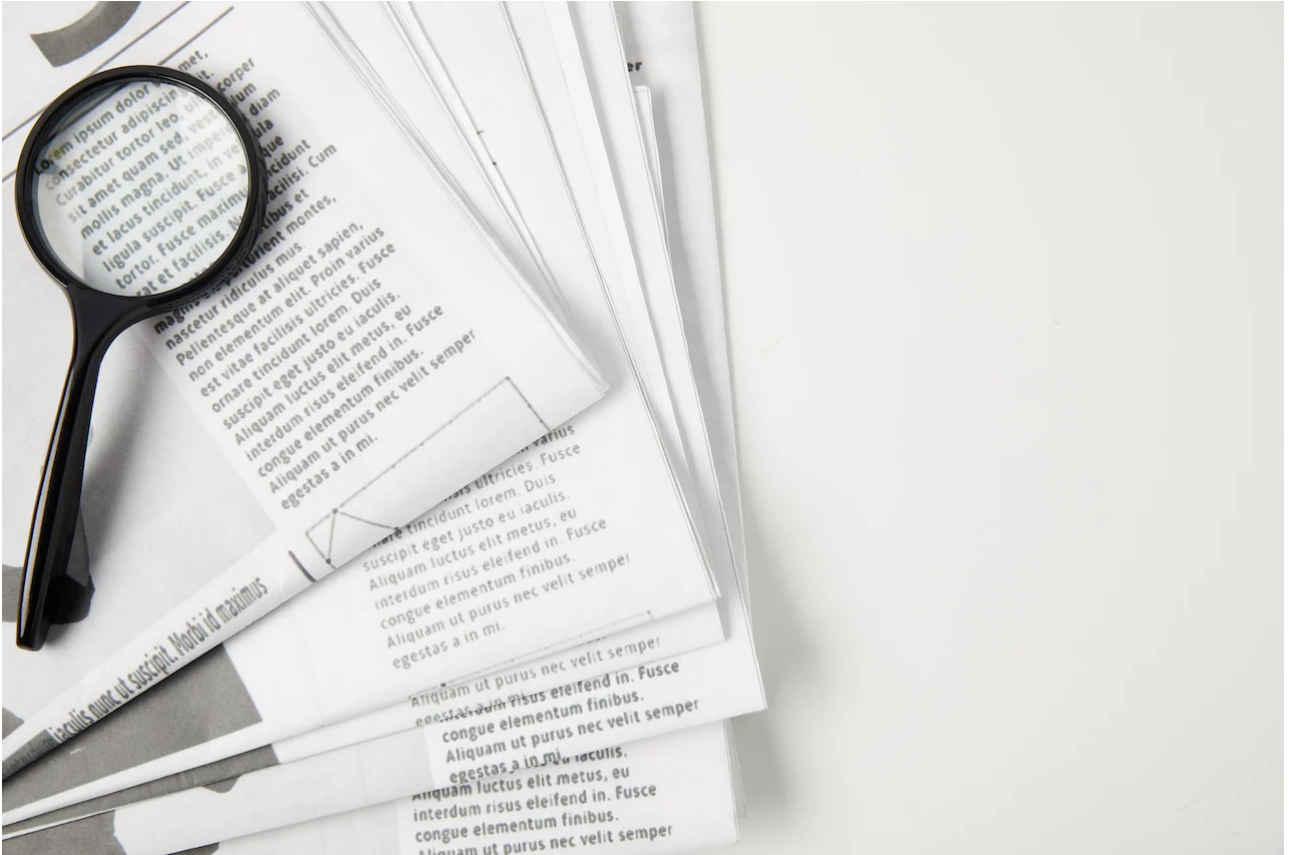


Decentralized Digital Identifiers in ARCADIAN-IoT: enhancing IoT security with DIDs



Exploring the self-recovery component of the ARCADIAN-IoT framework: backup, security, and privacy

LATEST PUBLICATIONS



[Hospital-based proton therapy implementation during the COVID pandemic: early clinical and research experience in a European academic institution](#)

[FL4IoT: IoT Device Fingerprinting and Identification using Federated Learning](#)

[Non-invasive, plug-and-play pollution detector for vehicle on-board instantaneous CO2 emission monitoring](#)

[SparSFA: Towards robust and communication efficient peer-to-peer federated learning](#)

[Lightweight certificate revocation for low-power IoT with end-to-end security](#)

VIDEOS



Medical IoT

This ARCADIAN-IoT domain is based on IoT medical sensors (single or combined), which interoperate with a secure communication channel. ARCADIAN-IoT will work in a platform that helps to obtain a more “technology-focused” healthcare system in order to ease the action plans under these situations by making accessible the patient data from everywhere and by providing a decision support system for helping in critical situations.

[Watch the video](#)



Emergency and vigilance using drones and IoT

ARCADIAN-IoT will accelerate the development towards decentralized, transparent and user controllable privacy in three real domains (use cases). One of them is Emergency and vigilance using drones and IoT which aims to demonstrate the contribution of the Arcadian-IoT platform to the emergency and vigilance scenarios. This domain of implementation covers trust, security, and privacy challenges.

[Watch the video](#)

SYNERGIES

Projects funded under the same call



TRUST aWARE project
Enhancing digital security, privacy and trust in software



ERATOSTHENES project
IoT trust and Identity management framework



IDUNN project
A cognitive detection system for cybersecure operational technologies



IRIS project
Artificial Intelligence threat reporting and incident response system



SOTERIA project
User-friendly digital secured personal data and privacy platform



KRAKEN project
Brokerage and market platform for personal data



SENTINEL project
Bridging the security, privacy and data protection gap for smaller enterprises in Europe



SPATIAL project
Achieving trustworthy, transparent and explainable AI for cybersecurity solutions



ARCADIAN-IoT

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