



## Newsletter 1

August 2021

Dear Readers,

We are very excited to launch the ARCADIAN-IoT Newsletter that will inform you on a regular basis with all the news and events related to our project.

In this first issue, we share information about the initial developments in ARCADIAN-IoT. The kick-off meeting in May has shown that ARCADIAN-IoT vision aligns very well with European Union's priorities for state-of-the-art approaches for security and privacy management.

In the past four months, we have built a great community of researchers, industry partners, and SMEs that work together to develop innovative, decentralized solutions for trust and identity management in IoT systems. Each ARCADIAN-IoT partner has a proven track-record of excellent competences, which will be dedicated to the project success.

We hope that you will enjoy reading our newsletter and we look forward to building on the great momentum in the ARCADIAN-IoT community to deliver its expected ambitious outcomes and high impact.

*ARCADIAN-IoT Consortium*

## News



### ARCADIAN-IoT officially starts

ARCADIAN-IoT officially started on 12



### Building the research roadmap

Part of ARCADIAN-IoT's work focuses

May with a kick-off meeting, gathering all the partners from eight European countries. The 3-year project provides a multi-layer, holistic approach that will bring advanced security measures to users of IoT devices and systems, whether consumers, business or governments. This approach will overcome concerns that have risen due to the increased risks and threats.

on use cases and requirements elicitation for building the research roadmap for the ARCADIAN-IoT project. In the first four months, partners defined use cases and addressed requirements where the framework will be applied - surveillance in smart cities, smart grid monitoring and medical IoT - to understand where each technical component should contribute.

[Read more](#)

[Read more](#)

## ARCADIAN-IoT Use Cases

ARCADIAN-IoT framework will be validated in three use cases with specific trust, security and privacy requirements. The use cases derive from real application cases.



### Emergency and vigilance using drones and IoT

This domain has been selected given the relevance of IoT in digital services for emergency and vigilance

[Read more](#)



### Secured early monitoring of grid infrastructures

This domain has been selected given the relevance of IoT in Industrial Control Systems for public infrastructures and factories.

[Read more](#)



### Medical IoT - solutions for tele-medicine purposes

This domain has been selected because of the emerging trend to rely on IoT solutions for tele-medicine purposes.

[Read more](#)

## Guest post

*ARCADIAN-IoT Advisory Board*



## Trust, security and privacy management for IoT systems

Security, trust and privacy are often cited as areas of concern by both individuals and organisations globally and as such as seen as barriers in the adoption of IoT. Managing these concerns in an inter-related holistic manner is essential in order to realise the full potential positive impact IoT can provide.

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# Events

## IoT Week 2021

IoT Week is a one-of-a-kind 5 day conference shed light on the future of technology and its impact on business and life. The topic of this year's event is Next Generation IoT for a Sustainable Future. As focus shifts to finding solutions to climate issues, technology and innovation present a promising way forward. IoT is likely to be an essential element of the Next Generation Internet, setting the groundwork for systems and devices of the future.

[Read more](#)

## EU-IoT IDEathon/Hackathon 2021/22

The [Cooperation and Support Action EU-IoT](#) is organizing an online Hackathon with focus on Mobile Sustainable IoT solutions to encourage developers, students, researchers to discuss, cooperate and develop open-source solutions focused on the EU-IoT scope area: tactile Internet/Human-centric interfaces; Near/Far edge aspects; Infrastructure; Data spaces.

[Read more](#)

## Workshop on IoT and Edge Computing Research and Standardisation Convergence

In the past years the role of standardisation as a bridge between research activities and the market has been increasingly recognized, both by EU institutions and by R&D stakeholders. The incorporation of the latest knowledge into new standards can provide the foundation for further developments, new research and ultimately new knowledge, creating a virtuous knowledge circle of standards and research.

[Read more](#)

## ARCADIAN-IoT in the news

[ARCADIAN-IoT: Focus on IoT Security \(Portuguese\)](#)

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[Emerging technologies: The ARCADIAN-IoT project will create a framework for privacy, trust and security for IoT systems \(Spanish\)](#)

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[The ARCADIAN-IoT project will create a framework for privacy, trust and security for IoT systems \(Spanish\)](#)

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[Coimbra leads security project for "Internet of Things" devices \(Portuguese\)](#)

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[Instituto Pedro Nuno coordinates European project to work on the new generation of IoT security \(Portuguese\)](#)



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