

# NEWSLETTER

Security Assessments for Networks and  
services in 5G



*A message from*  
our  
Project Coordinator

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The SAND5G  
project is a crucial  
initiative for  
enhancing the  
security of 5G  
networks in Europe.

“Welcome to the 2nd edition of the SAND5G Newsletter, where we bring you the latest updates on our progress, highlighting key milestones and advancements in strengthening security and protecting critical infrastructures.

The SAND5G project is a crucial initiative for enhancing the security of 5G networks in Europe. Through the development of a comprehensive risk assessment platform, we aim to support both 5G service providers and national authorities in effectively managing threats and aligning with European cybersecurity policies. This dual approach ensures a cohesive and robust defense mechanism against emerging threats. Our comprehensive deliverables, ranging from in-depth security analyses to targeted training programs, underscore our commitment to excellence and innovation in the realm of 5G cybersecurity.”

*Professor Odysseas Koufopavlou  
Project Coordinator  
University of Patras*

## SAND5G in Patras



On October 4th, 2024, representatives from all partner organizations of the SAND5G consortium gathered in Patras for the project's first Plenary Meeting. The meeting was held at the Department of Electrical and Computer Engineering of the University of Patras. Attendees engaged in insightful discussions and presentations, where work package and task leaders highlighted the progress achieved during the project's first nine months.

The meeting concluded with a well-defined roadmap for the next phase, as leaders set objectives, established timelines, and outlined key actions to ensure SAND5G stays on course.

## SAND5G featured in Phaistos Voice

SAND5G was featured in the December 2024 issue of Phaistos Voice, which presented the consortium and the project's scope. The feature highlighted SAND5G's mission to develop a risk and impact assessment platform designed to help 5G stakeholders secure their networks and services.

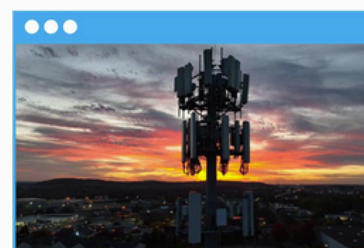


**PHAISTOS VOICE |**  
December 2024

**PHAISTOS**  
INVESTMENT FUND

• **SAND 5G**

Three companies of our portfolio and two members of our ecosystem collaborated with two Greek public authorities to secure an EU tender. The consortium, comprising **OQ Technology Hellas** (a subsidiary of OQ Technology), the **University of Patras**, **P-NET**, **Sphynx Hellas**, **WINGS ICT Solutions**, the Hellenic Authority for Communication Security and Privacy, and the Hellenic Ministry of Digital Governance, will implement the "SAND5G" project under the Digital Europe Programme (DIGITAL)-JU-SIMPLE. Over three years, the project aims to develop a risk and impact assessment platform to help 5G stakeholders secure their networks and services. It will also support National Authorities and Member States' Regulators in monitoring security measures aligned with European cybersecurity policies and the EU toolbox for 5G security.



# SAND5G at ETCEI 2024



Paris Kitsos presented a highly interesting extension of SAND5G in the context of edge computing at the 2024 Emerging Tech Conference: Edge Intelligence (ETCEI 2024). The event took place from October 17th to 18th, 2024 in Volos, Greece.

# SAND5G at Infocom World 2024



On November 12th, 2024, SAND5G participated in InfoCom World 2024. During the event, Kostas Poullos from SPHYNX joined a roundtable discussion on “The Need for the Digital Transformation Leap,” where he addressed key cybersecurity challenges.



An interesting research paper, titled "FPGA-based Cloud Security Solutions for 5G Networks," was presented at the 2024 IEEE International Conference on Cyber Security and Resilience, held from September 2nd to 4th, 2024, in London. Authored by Marios Papadopoulos, Kostas Lampropoulos, and Paris Kitsos, the paper explores hardware-based solutions for secure cryptographic key management and generation, ensuring uniqueness and applicability in multi-tenant 5G networks.

## SAND5G at the Advanced Telecoms & IoT Summit 2024



SAND5G had a strong presence at the SPHYNX booth during the Advanced Telecoms & IoT Summit 2024, held on October 8th at Zappeion Megaro in Athens. The event showcased innovative solutions, applications, and services leveraging advanced telecommunications infrastructures, including 5G networks, fiber-to-the-home/building (FTTH/B), fixed wireless access (FWA), IoT, and satellite technologies, among others.

# Latest Publication



The paper titled "FPGA-Based Cloud Security Solutions for 5G Networks", authored by Marios Papadopoulos, Kostas Lampropoulos, and Paris Kitsos from the University of Patras, has been published in the proceedings of the IEEE International Conference on Cyber Security and Resilience. This research stems from recent SAND5G activities.

# Our Consortium



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EMERGING NETWORKS & APPLICATIONS



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