

# SIXTH PRESS RELEASE



## FORTIKA - Cyber Security Accelerator for trusted SMEs IT Ecosystems

### THE PROJECT

The FORTIKA project aims to provide SMEs with an embedded, smart and robust hardware security layer enhanced with an adaptive security service management ecosystem (FORTIKA marketplace). The project will explore the capabilities of the secure-by-design FPGA SoC platform, as a CPU enhancement module. The long-term goal of the FORTIKA project is to provide a low-cost, dynamic, security layer for small and medium-sized businesses, individually tailored to meet each beneficiary's requirements.

### CHALLENGES

- ✓ Exposure of small-sized businesses to cyber security risks and threats
- ✓ Inability to respond to cyber security incidents
- ✓ Costly efforts to identify, acquire, use and maintain appropriate cyber security solutions

### AMBITION

- ✓ Hardware enabled middleware security layer as add-on to existing network gateways
- ✓ Resilient overall cyber security solution that can be easily tailored and adjusted to the versatile and dynamically changing needs of small businesses

### KEY TECHNOLOGIES

- ✓ FPGA accelerator
- ✓ Bring Your Own Device (BYOD)/Bring Your Own Technology (BOYT) Access Control
- ✓ Attribute-Based Access Control (ABAC)
- ✓ Social Engineering Attacks Recognition System (SEARS)
- ✓ Risk analysis, modelling and level assessment
- ✓ Real-time Network Traffic Analysis
- ✓ Homomorphic Encryption
- ✓ Data Minimization



This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No 740690.



Visit: <http://fortika-project.eu>  
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### IN THIS ISSUE

- ✓ Participation at Devfest, Heraklion, Greece
- ✓ Participation at DG Connect, Brussels, Belgium
- ✓ Participation at "Revision of Information System Controls" conference, Kranjska Gora, Slovenia
- ✓ Participation at IEEE CAMAD conference, Limassol, Cyprus
- ✓ Participation at The EU's Role in Global Cyber Policy, Brussels, Belgium
- ✓ Participation at Smart City Expo World Congress, Barcelona, Spain

### Devfest, September 28-29, 2019, Heraklion, Greece

HMU's Pasiphae Lab along with FINT presented "Acceleration at the Edge, the FORTIKA paradigm" at Devfest Heraklion 19.



The presentation was a success, with a lot of interaction between the attendees and the presenters Y.Nikoloudakis and D.Apostolakis

There was a FORTIKA stand from Sat 28/09/19 until Sun 29/09/19 were more than 100 attendees visited to be informed regarding the FORTIKA paradigm.



See more: <https://gdgreece.gr/devfest-greece-2019/>



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### DG Connect, October 24, Brussels, 2019, Belgium

FORTIKA participated in "Cybersecurity Get Away Day" | Digital Single Market workshop organised by CONNECT University. In this event partners CERTH, FINT, and HMU presented a successful live-demo of FORTIKA, showing how acceleration in the EDGE can help your SME's infrastructure against cyber-threats. The audience included representatives from the scientific community and industry as well as a large number of university students.



See more: [europa.eu/!kf98cg](https://europa.eu/!kf98cg)

### "Revision of Information System Controls" conference, September 24-25, 2019, Kranjska Gora, Slovenia

FORTIKA presented in the PRIS conference on 24<sup>th</sup> and 25<sup>th</sup> of September 2019. In this event, XLAB presented and demonstrated the FORTIKA solution to more than 50 attendees. The presentation was entitled "Tools for learning cybersecurity prevention mechanisms and prevent attacks in the cybersecurity environment".



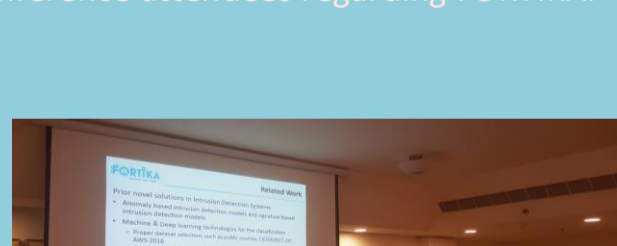
See more: [bit.ly/2ijUCN0](https://bit.ly/2ijUCN0)

### IEEE CAMAD 2019 conference and SEC4SME 2019 workshop, September 11-13, 2019, Limassol, Cyprus

Two publications associated with FORTIKA were presented at IEEE CAMAD 2019 - "International Workshop on Computer Aided Modeling and Design of Communication Links and Networks".

There was also a stand to inform the conference attendees regarding FORTIKA.

In addition, FORTIKA with the coordination of HMU, organized the SEC4SME 2019 workshop and invited other projects targeting in SMEs to discuss the main areas of interest of today's Cybersecurity for SMEs. The SEC4SME 2019 workshop aimed to complement IEEE CAMAD 2019 by focusing on the Challenges identified for SME security and collecting contributions from both industry and academia. Various researchers from around Europe joined this effort trying to promote the need for specific cybersecurity requirements tailored for SMEs.



See more: <https://camad2019.ieee-camad.org>

### The EU's Role in Global Cyber Policy, November 8, 2019, Brussels, Belgium

The FORTIKA consortium was invited to showcase the project at the event 'The European Union's role in the global cyber policy', organized by the Finnish Presidency of the European Council and the EU institute for Security Studies. The main idea was to offer to the participants of the event an opportunity to get a view of ongoing cyber security projects and developing state-of-the-art technologies and EU R&I projects. In this event, CERTH and FINT proudly presented the FORTIKA project results to major stakeholders, motivated by the strong belief that FORTIKA will help EU to "accelerate" EU position and SMEs to adopt cyber security policy.

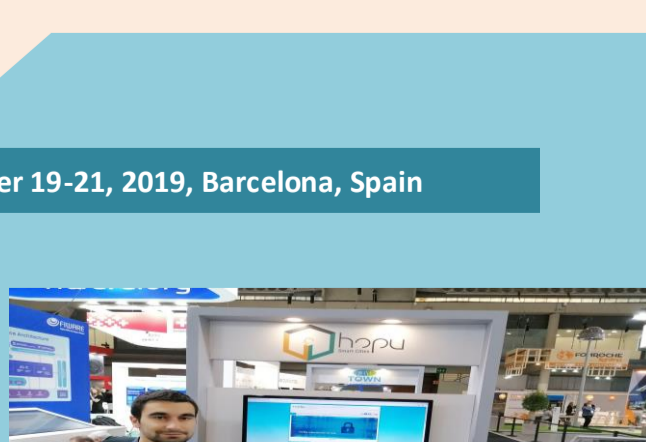


See more: <https://bit.ly/2L3N1eU>

### Smart City Expo World Congress, November 19-21, 2019, Barcelona, Spain

At Smart City Expo World Congress, HOPU disseminated FORTIKA. A stand was established to inform attendees about the cyber security solution.

Attendees were particularly interested in FORTIKA since it is an affordable solution. They were also eager to learn when the FORTIKA solution will be available on the market and what the target market group is.



See more: <https://bit.ly/30YmWfa>



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