

Madrid, Spain, June 05, 2019

Nokia Spain becomes Gold Collaborator of 5TONIC Open 5G Lab

It will collaborate with Telefónica in a Media & Entertainment testbed for 5G EVE project

Nokia Spain has become Gold Collaborator of the 5TONIC Open 5G Lab headquartered at IMDEA Networks in Madrid (Spain). Together with Nokia Bell Labs site in Madrid, Nokia will collaborate with Telefónica in the implementation of a testbed for the use case “Media & Entertainment: UHF Media, On-site Live Event Experience and Immersive and Integrated Media”, in the context of European H2020 5G EVE project.

The objective of the testbed is to help Telefónica customize and enhance the quality of the user experience in media and entertainment services supported with 5G. A first version of this use case will be shown at the upcoming [EuCNC 2019](#) conference in Valencia, as well as at the 5G Forum. The collaboration will extend for the duration of the project, which is scheduled to finish in July 2021.

Nokia and Telefónica will deploy a complete 5G network infrastructure in the 5TONIC lab to carry out this use case. The infrastructure will include both radio access and core networks, as well as an edge computing platform that will be tested as an alternative to Content Delivery Networks (CDNs) for video services provided to 5G-connected users. Within 5G EVE, Nokia is contributing to the development of a KPI collection framework that is expected to be a catalyst of 5G vertical experimentations, improving existing business solutions and reducing both capital and operational expenses of production labs, as well as providing the potential for more economically efficient solutions and 5G products to customers.

“Nokia is a partner in the 5G EVE project, where it is involved with Telefónica in the deployment of one of the three use cases that 5TONIC will host”, said Arturo Azcorra, 5TONIC vice-chairman. “We are very happy to have them as a new 5TONIC collaborator, providing their latest 5G solutions for the provision of new and advanced services.”

Alvaro Villegas, Head of Nokia Bell Labs Spain, said: “We are very glad to become a Gold Collaborator of 5TONIC lab, which will become for us a privileged environment for working closely with Telefonica and the rest of participants in the 5G EVE project to apply the capabilities of our leading 5G technology to real use cases”.

About Nokia

We create the technology to connect the world. We develop and deliver the industry’s only end-to-end portfolio of network equipment, software, services and licensing that is available globally. Our customers include communications service providers whose combined networks support 6.1 billion subscriptions, as well as enterprises in the private and public sector that use our network portfolio to increase productivity and enrich lives.

Through our research teams, including the world-renowned Nokia Bell Labs, we are leading the world to adopt end-to-end 5G networks that are faster, more secure and capable of revolutionizing lives, economies and societies. Nokia adheres to the highest ethical business standards as we create technology with social purpose, quality and integrity. nokia.com

About 5TONIC

5TONIC was initiated by Telefónica and IMDEA Networks Institute with a clear vision to create an open research and innovation ecosystem laboratory in which industry and academia come together to boost technology and business innovative ventures. The laboratory promotes joint project development, joint entrepreneurial ventures, discussion fora, events and conference sites, all in an international environment of the highest impact. 5TONIC serves to show the capabilities and interoperation of pre-commercial 5G equipment, services and applications, by leading global companies in the 5G arena. The laboratory was recently awarded Digital Innovation Hub status by the European Commission.

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Source(s): 5TONIC; NOKIA

Traducción al español:

[/noticias/2019/nokia-espana-empresa-colaboradora-oro-del-5tonic-open-5g-lab](#)

Original source:

[news/2019/nokia-spain-becomes-gold-collaborator-5tonic-open-5g-lab](#)

About Us

IMDEA Networks Institute is a **research organization on computer and communication networks** whose multinational team is engaged in cutting-edge fundamental science and technology. As a growing, English-speaking institute located in Madrid, Spain, IMDEA Networks offers a unique opportunity for pioneering scientists to develop their ideas. IMDEA Networks has established itself internationally at the forefront in the **development of future network principles and technologies**. Our **team** of highly-reputed researchers is designing and creating today the networks of tomorrow.

Some keywords that define us: 5G, Big Data, blockchains and distributed ledgers, cloud computing, content-delivery networks, data analytics, energy-efficient networks, fog and edge computing, indoor positioning, Internet of Things (IoT), machine learning, millimeter-wave communication, mobile computing, network economics, network measurements, network security, networked systems, network protocols and algorithms, network virtualization (software defined networks – SDN and network function virtualization – NFV), privacy, social networks, underwater networks, vehicular networks, wireless networks and more...

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