

SESAME consortium places network intelligence and applications in the network edge

Athens, September 21, 2015

The research project “Small-cell Coordination for Multi-tenancy and Edge services” (SESAME), G.A. No. 671596, is one of the nineteen projects, funded by the European Commission’s 5GPPP framework, to develop the next generation of communication networks and services. Led by the biggest Greek telecom operator Hellenic Telecommunications Organization (OTE), SESAME involves eighteen partners from seven European countries and has a budget of nearly 8 million €.

SESAME project will investigate how small cells can be virtualized to enable 5G services and support multi-tenancy. In particular, the application of enhanced processing and Cloud capabilities to small cells, are seen as a ‘key innovation’ factor. Moreover, advanced techniques for allowing multi-tenancy to telecom operators, thus forming a neutral platform providing small cell coverage and a Network Function Virtualisation (NFV) execution environment at the network’s edge, are in SESAME’s scope.

ORION INNOVATIONS’s CEO Dr. Emmanouil Kafetzakis said: *“EU R&D projects like SESAME are a unique opportunity for small research-driven companies, like ORION, to interact with big industrial players and work together. SESAME enhances the small cells concept with selected network applications running closer to end-users and also gives rise to new sharing models of both access capacity and edge computing capabilities. The ideal ‘mix’ of companies, SMEs and academic partners guarantees the success of its outstanding objectives. The participation of ORION Innovations P.C. in SESAME is fully aligned with the company strategic decision to move towards the software-driven telecom segment.*

ORION foresees the market opportunity for small companies that will exist after software/hardware lock-out, which decouples software and hardware via SDN and NFV technologies, and the introduction of successful, open source software stacks for networks. In this context, we are interested to exploit our existing caching software and adapt it for virtualized multi-operator usage.”

“SESAME is expected to be able to demonstrate some of its first results during the EuCNC 2016 conference, to be held in Athens, Greece, next summer. In spite of the bad economic environment in Southern Europe, it seems that Greek ICT companies with solid expertise and investments in R&D can ‘drive the innovations’ in the networks of the future. ORION’s contributions to SESAME have been very important to both the proposal preparation and the execution phase” says Dr. Ioannis

Giannoulakis, Technical Coordinator of the SESAME project, working with National Centre for Scientific Research “Demokritos”, based in Athens, Greece.

ORION INNOVATIONS P.C.

ORION is a start-up company specializing in Information and Communication Technologies (ICT), based in Athens, Greece. The company was established recently by former researchers pursuing the application of their research expertise and innovations in the research arena. ORION provides customizable solutions that enhance modern communications, multimedia transmission over media delivery networks and video analytics for surveillance systems.

For more information:

[1] H2020 5GPPP SESAME project, <http://www.sesame-h2020-5g-ppp.eu/>; <https://5g-ppp.eu/sesame>

[2] Dr. Emmanouil Kafetzakis

Tel.: +30 211 8009733

Mobile: +30 697 2502166

Email: mkafetz@orioninnovations.gr

Website : <http://orioninnovations.gr/>