



European
Commission

Horizon 2020
European Union funding
for Research & Innovation

5GENESIS Newsletter October-December 2018 Issue 2

5GENESIS website: www.5genesis.eu/

INSIDE THIS ISSUE

1. Issue Highlights
2. Dissemination and Communication Activities
3. Deliverables
4. General Assembly Meetings

Issue Highlights

The second issue of the 5GENESIS newsletter presents the project activities during the period October-December 2018. This issue focuses on the latest 5GENESIS dissemination and communication activities, the deliverables that have been published as well as the third general assembly meeting's details which took place in the University of Surrey, in December 2018.

5GENESIS activities in numbers:

- Four Conferences, Papers and Presentations
- Two Workshops
- Two 5G PPP Workshops
- Five Presentations and Other Dissemination Events
- Four Articles in Newspapers and Journals
- Three Upcoming Events and Call for Papers
- Three Deliverables



Communication Channels



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Dissemination and Communication Activities

Dissemination and Communication Activities of 5GENESIS during October - December 2018, cover a great number of initiatives such as participation in conferences and presentations, papers, participation in workshops, several dissemination events and preparation/planning of upcoming events.

Conferences, Papers and Presentations

DySPAN 2018

Dr. Valerio Frascolla (INTEL) from 5GENESIS, co-organized with 5G-MiEdge and led the panel entitled "Dynamic spectrum management: the 5G verticals view" at the DySPAN 2018 conference in Seoul (Oct. 23, 2018) describing the importance of spectrum dynamicity of 5G systems.



Dr Valerio Frascolla (INTEL) at the DySPAN 2018, Seoul

20th INFOCOM World Conference

Dr Anastasios Kourtis (NCSRDI) presented "5th Generation End-to-End Network, Experimentation, System Integration and Showcasing: The case of the 5GENESIS Project" in the 20th INFOCOM World Conference, in 21st November 2018 in Athens.



The 20th INFOCOM World Conference in Athens

IEEE Global Communications Conference

Two 5GENESIS papers by Instituto de Telecomunicacoes (IT) were accepted for publication and presented in IEEE Global Communications Conference (GlobeCom) in Abu Dhabi, UAE, 9-13 December 2018. (Read the Papers: [Paper 1](#) and [Paper 2](#))



Workshops

FUSECO Fokus Event

Dr Zion Hadad (RunEL) presented in the Workshop "Architectures and Radio Technologies for 5G Transport and Access Networks" of FUSECO Fokus Event in 14th-15th November 2018 in Berlin, design techniques for URLLC Networks and their association with 5GENESIS project.



Dr Zion Hadad (RunEL) at FUSECO Fokus, Berlin

Professor Eckhard Grass and Dr.Valerio Frascolla organized and drove a workshop entitled "Architectures and Radio Technologies for 5G Transport- and Access Networks" at the FUSECO Fokus 2018 event in 14th-15th November 2018 in Berlin.



Dr Valerio Frascolla (INTEL) at FUSECO Fokus, Berlin

5GPPP Workshops

5G PPP Technical Workshop

The 5GENESIS deputy TM Dr. D. Tsolkas (FOG) had the opportunity to meet and discuss with representatives of other 5G PPP projects at 5GPPP Technical Workshop in Kista, Sweden, 20-22 November 2018.



The 5GENESIS deputy TM Dr. Tsolkas (FOG) at 5G PPP Workshop, Sweden

Networld2020 Annual Event

Nemergent, in charge for monitoring SME WG and NetWorld2020, attended the event in the 15th November 2018, in Brussels and had the chance to explain the concept and different platforms of 5GENESIS to several partners during the event.



Other Events - Presentations

Ericsson Ireland Tech Day

On the 4th of October, as part of Ericsson Ireland Tech Day, an overview of 5GENESIS was presented, including project goals, underlying platforms, structure, as well as expected contributions to the 5G landscape.



Athens Innovation Festival

INFOLYSIS participated in the Athens Innovation Festival from 12th to 14th November 2018, where it had the chance to describe and communicate 5GENESIS project, its objectives and characteristics, as part of 5G ecosystem, through INFOLYSIS booth.



Vaios Koumaras (INF) at the Athens Innovation Festival, Athens.

Networld2020 Annual Event

Israel Koffman (RunEL) participated in Networld2020 Annual Event in 15th November 2018, in Brussels and presented the 5GENESIS project contributions to the 5G ecosystem during the "The role of SMEs in the new 5G ecosystem" panel discussion.



NCSR D INFODAY

On 30th November 2018, NCSR D organised an infoday on 5G advances, where Nokia Greece from 5G-VINNI was invited in order to present and share view on its 5G strategy, both commercially and in 5G-VINNI work plan.



NCSR D INFODAY

ONF Connect

David Artunedo Guillen (Telefonica) participated in ONF Connect in Santa Clara on the 5th of December 2018 where he analyzed use cases running on edge computing and presented 5GENESIS Malaga platform.



Journals/Magazines/Newspapers

INFOCOM magazine

An article entitled “5G networks in Greece”(in Greek) was published in the October issue of the INFOCOM magazine (issue 243) presenting 5GENESIS project and its specifications. Dr. H.Koumaras (NCSRDI) has been interviewed for this article. Read more about this [article](#).

An article entitled “5GENESIS: A connection of IoT and 5G” (in Greek) published in INFOCOM magazine (issue 243). Dr. H.Koumaras (NCSRDI) has been interviewed for this article. Read more about this [article](#).

EconomyToday Newspaper

Vasilis Nikolaidis, Primetel's Sales Manager gave an overview of 5GENESIS and Primetel's role in the project. While describing the first 5G Pilot Testing Platform in Cyprus. Read more about this [article](#).

Simerini National Newspaper

An associated article by PrimeTel, giving an overview of the 5GENESIS project, was also included in Simerini National Newspaper of Cyprus. Read more about this [article](#).

Upcoming Events - Call for Papers

IEEE WCNC 2019 (15-18/04/2019, Marrakech, Morocco)

5GENESIS co-organizes with Sat5G and 5GALLSTAR, the ‘Satellite-terrestrial interworking: a pillar of forthcoming 5G systems’ workshop in IEEE WCNC. Find more [info](#).

5GENESIS co-organizes with ULTRAWAVE and 5G-MiEdge the “2nd Workshop on Economics and Adoption of Millimeter Wave Technology in Future Networks” in IEEE WCNC. Find more [info](#).

IEEE NetSoft 2019 (24-28/06/2019, Paris, France)

5GENESIS co-organises with ASTRID, SPEAR, CYBER-TRUST, REAC and SHIELD projects the “1st International Workshop on Cyber-Security Threats, Trust and Privacy Management in Software-defined and Virtualized Infrastructures (SecSoft)” at 5th IEEE International Conference on Network Softwarization (NetSoft 2019). Call for papers [info](#).



Call for Papers

Deliverables

Three deliverables have been published in the period Oct-Dec 2018: D2.1, D2.2 and D7.8.

D2.1: This document is the first technical deliverable of the 5GENESIS project and addresses the outcome of its first technical task (Task 2.1), targeting the definition of the requirements of the envisaged 5G Facility. It presents a distilled view of the project's scope and objectives, and highlights the innovations and ambitions that are set to be fulfilled.

D2.2: This document starts with a short review of the main requirements as has been already provided in deliverable D2.1. It then presents a distilled summary of the technologies and standards that the project builds upon, discusses how the 5GENESIS approach is related to these, and documents the envisaged contribution towards the implementation of a 5G experimentation platform. Based on this background and the well-defined architectural design principles introduced, the study delves into the 5G Facility reference architecture to specify in more detail each of the three layers (introduced in D2.1) and their components, as well as interactions among them, concluding to a concrete reference architecture specification.

D7.8: This deliverable focuses on the activities of the innovation program run within the consortium over the first 6 months of 5GENESIS as well as exploitation related activities and plans of 5GENESIS consortium/partners.

Upcoming 5GENESIS deliverables

- D2.3 Initial planning of tests and experimentation
- D4.1 Athens Platform (release A)
- D4.4 Malaga Platform (release A)
- D4.7 Limassol Platform (release A)
- D4.10 Surrey Platform (release A)
- D4.13 Berlin Platform (release A)
- D4.16 Portable 5G Demonstrator (release A)

If you wish to learn more about 5GENESIS deliverables you may visit 5GENESIS website on the corresponding Deliverables page <http://www.5genesis.eu/deliverables/>

General Assembly Meetings

Third Plenary Meeting

The 5GENESIS third plenary meeting took place at the premises of 5G Innovation Centre, University of Surrey, 12th to 14th of December 2018. 5GENESIS partners had the chance to meet once more and work together in order to evaluate the project’s progress. The main objective of this meeting was to discuss and evaluate the actions already taken and the milestones that have been met while deciding on the activities that will follow.



Communication Channels



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