Distinguished Expert Panel

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Theme : Barriers and Frontiers of Softwarization for the Network of 2030

Rationale: The "softwarization" of the network is gaining an increased transformational role in the Telecommunications field today enabling unprecedented levels of abstraction, disaggregation, distribution, extensibility, slicing and programmability in network infrastructures and services. Software-based networking as part of core technologies of the upcoming 5G networks is radically changing the way communication infrastructures are designed, programmed, integrated and operated, enabling rapid and innovative network functions and network services creation with easy deployment. While software-based network technologies, like Software-Defined Networking (SDN) and Network Function Virtualization (NFV), are gaining traction in today production environments there are still several challenges that need to be addressed before softwarization solutions become usable in the Beyond 5G Networks.

The purposed of the DEP is to explore some of the **key drivers, enablers, barriers, frontiers, trends and challenges of Softwarization for the Network of 2030** including:

- **Network Programmability**
- **Native Slicing**
- **Softwarization interplay between Computing Fabric and Networking Fabric**
- **Central Cloud-to-Edge Cloud-to-Mobile Edge Computing-to-device compute continuum**
- **Advanced NFV**
- **Native Intent based programmable management and control**
- Integrated, highly automated and intelligent virtualised communication, virtualised computing, virtualised storage and network services/applications infrastructure - **Hyperconverged Net2030 infrastructure**

DEP Panellists

Dr. Wenyu Shen
NTT, Japan

Dr. Roberto Kung
Orange, France

Dr. Alexander Clemm
Futurwei, USA

Prof. Lefteris Mamatas
University of Macedonia, Greece

Prof. Christian Esteve Rothenberg
University of Campinas, Brazil

Prof. Kadangode Ramakrishnn
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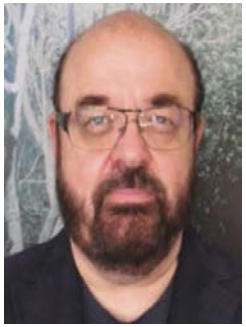

Prof. Alex Galis
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Trends and challenges - Operator Perspective	Towards NoOps – Operator Perspective	Native Visibility, control and management	Edge computing and networking	Native Programmable Slicing	Resilient NFV	Moderator