

Next Generation Services Overlay Networks (NGSON) Forum

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Forum

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Organizer: Mehmet Ulema, Manhattan College, NY, USA

Next generation service overlay network (NGSON) provides a framework and necessary functions to support context-aware, dynamically adaptive, and self-organizing networks over Internet Protocol (IP)-based networks. NGSON is envisioned to include advanced service and transport level routing and forwarding schemes that are independent of the underlying networks such as IMS, NGN, P2P overlay or WEB to transmit NGSON signaling messages and/or media among its users and services. Recognizing the importance of this issue, many standards organizations have been addressing various aspects of the issue under different frameworks and terminology. NGSON is the IEEE's official name for this effort under IEEE Project 1903. A number of equipment vendors, telecom operators, and research organizations have been working on this project to standardize various aspects under P 1903. As of this writing, the Working Group is about to wrap up the functional architecture for NGSON.

The panelists will discuss various aspects of NGSON, as well as the status of NGSON standardization effort. Panelists will be invited to address any of, but not limited to, the following or related topic areas:

NGSON architecture for wire line and wireless networks

Status of NGSON standards
Status of, and experiences with, NGSON implementation and testbed
NGSON applications and services for both wire line and wireless IP-based networks
Security issues with NGSON
NGSON Service Routing
NGSON Service Composition
Dynamic Adaptation in NGSON
Context Awareness in NGSON
Self-Organization in NGSON
QoS and Performance Issues in NGSON
NGSON Network and Service Management
NGSON interactions with IMS, P2P, etc

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Panelists:

Rick Townsend, Huawei Technologies, USA
F. Joe Lin, Telcordia Technologies, USA
Li Yan, Huawei Technologies, China
Jong Hwa Yi, ETRI, South Korea
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