


# 2011 Global Future Internet Week

Imperial Palace Hotel, Seoul, Korea, Nov 27~Dec 5, 2011

## ○ Presentation Schedule

<b>Program</b>	FI Standards Workshop
<b>Date</b>	05/12/2011
<b>Session</b>	3

## ○ Curriculum Vitae

<b>Photo</b>		<b>Name</b>	Sangjin Jeong
		<b>Company</b>	ETRI
<b>Department</b>	Standards Research Center	<b>Position</b>	Senior Researcher
<b>Curriculum Vitae</b>	<ul style="list-style-type: none"><li>- Senior Researcher in ETRI Standardization Research Center (SRC)</li><li>- Authors of several IETF RFCs (RFC 5692 "Transmission of IP over Ethernet over IEEE 802.16 Networks", RFC 6279 "Proxy Mobile IPv6 (PMIPv6) Localized Routing Problem Statement", RFC 5844 "IPv4 Support for Proxy Mobile IPv6")</li><li>- Editor of ITU-T Y.3021 "Framework of network virtualization for Future Networks"</li><li>- Editor of IETF VNRG (Virtual Networks Research Group) "Virtual Networks Problem Statement" document</li></ul>		

○ **Presentation Summary (Only for Speaker)**

<b>Title</b>	Future Network - Virtualization
<b>Summary</b>	<p>Future Networks are networks that will be able to provide revolutionary services, capabilities, and facilities that are difficult to support using existing network technologies. One of the basic objectives of Future Networks is service awareness. The number and range of services are expected to explode in the future, and Future Networks need to adapt to this explosion. The explosion makes it difficult to satisfy the requirements of every service on single network architecture. However, it is unrealistic to realize heterogeneous network architectures using multiple physical networks because of the installation, operation and maintenance cost. Future Networks therefore need to realize diverse services and heterogeneous network architectures on a common physical network. This talk describes the framework of network virtualization for Future Networks. It presents its motivation, definition, objectives and design goals of network virtualization. Also, it discusses the applicability and use cases of network virtualization by summarizing its advantages and disadvantages.</p>