

# Spectrum Management - Technologies, Economics, Regulatory Environment

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Business Forum

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Spectrum 'scarcity', perceived or real, has led to numerous suggestions on how best spectrum should be managed. The objective is to enable efficient usage of spectrum and effective regulatory environment. Proposed solutions take the form of economic dimensions and technical aspects. Technological advancement cannot be realised without an ecosystem and regulatory environment to support. The intention for these panel discussions would be to explore a multidisciplinary approach in addressing spectrum management issues and to give some real life perspectives. Issues of interest include the following:

- Dynamic framework for sharing spectrum - recent technologies developments
- Economics of spectrum and reflection on ITU-R activities
- Market based mechanisms - successes and failures
- Market based mechanisms and developing countries
- Spectrum reform and regulatory issues
- Spectrum usage and policy and regulatory imperatives

Convenor(s): ICASA Co-Chairs: Lisa Thornton and Hans van de Groenendaal

**Panelists:**

Anne-Tuulia Leino, Head of Spectrum Regulation & ITU-R in Nokia Siemens and Chairperson of

UMTS Forum Spectrum Aspects Group

Jon Peha, Chief Technologist of U.S. FCC and Full Professor at Carnegie Mellon University in the Department of Engineering & Public Policy and the Department of Electrical & Computer Engineering

Mark D Williams, Global Information and Communication Technologies Department, World Bank Group

**Authors:**

Thornton, Lisa

Groenendaal, Hans van de

Leino, Anne-Tuulia

Peha, Jon

Williams, Mark D

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