

Panel Discussion : XG Cyber Lifeline

Advancing Resilient and Robust Cyber Infrastructure for a Global Digital Future

Akihiro Nakao

Co-Chairperson of XGMF (XG Mobile Promotion Forum)

Professor, School of Engineering, The University of Tokyo

Special Advisor to the President of The University of Tokyo

Director of Collaborative Research Organization for Next-Generation Cyber Infrastructure, The University of Tokyo

A portrait of Aki Nakao, a middle-aged man with dark, wavy hair, wearing a dark blue suit jacket, a white shirt, and a blue patterned tie. He is standing outdoors, leaning on a dark metal railing. The background is a blurred outdoor setting.

Aki Nakao

- Professor, Department Head of Systems Innovation, School of Engineering, the University of Tokyo
- Special Advisor to the President of the University of Tokyo
- Director of Next Generation Cyber Infrastructure Institute, the University of Tokyo

- Co-Chairperson of XGMF (XG-Mobile Promotion Forum)
- Member of Science Council of Japan
- Chairman of 5G/Beyond5G Committee of Space ICT Forum
- Community Informatization Adviser to the Ministry of Internal Affairs and Communications, Japanese Government
- Chairman of Local5G Promotion Research Group
- Founder of FLARE SYSTEMS

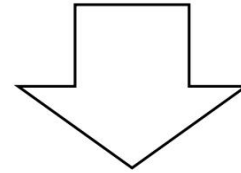
XGMF Launched



**5G Mobile Communications
Promotion Forum (5GMF)**



**Beyond 5G Promotion
Consortium (B5GPC)**



From April 2024

**XG Mobile Promotion Forum
(XGMF)**



XGMF's Goals in International Relationship

- Identification of Global Priorities

Gathering global information on 6G technology development, understanding trends and landscape, etc., and disseminating the information in Japan.

- Strengthening international coordination

Building consensus in pre-standardization activities in preparation for the full-scale launch of standardization activities

- Promoting international industry-academia collaboration

Building a human resource network for international industry-academia collaboration, such as organizing 6G events and academic conferences in Japan and overseas .

Panel discussion theme : XG Cyber Lifeline

Advancing Resilient and Robust Cyber Infrastructure for a Global Digital Future

This panel discussion will focus on **advancing resilient and robust cyber infrastructure in the XG era, positioning it as a critical foundation for the global digital future**. Experts will explore how cutting-edge 5G/6G technologies like Open RAN, AI-RAN, and Non-Terrestrial Networks (HAPS, LEO, etc) can ensure secure and reliable communication systems. The session will provide updates on the latest 5G deployments and 6G developments from key regions—US, Europe, and Japan—highlighting their unique approaches and progress. With an emphasis on international collaboration, the panel will seek concrete solutions to build a future-proof cyber infrastructure that supports human needs in an increasingly interconnected digital world.

Distinguished Panelists:



Paul Wijngaard

Alliance Director
6G Future Network
Services Program
Board
Unit ICT, Strategy &
Policy
Netherlands



Matti Latva-aho

Director of 6G Flagship
www.6gflagship.com
Centre for Wireless Communications
University of Oulu
FINLAND
Global Fellow
School of Engineering
The University of Tokyo
JAPAN



Abhimanyu Gosain

Senior Director
Institute for Wireless IoT
College of Engineering
Northeastern University
Director of PAWR program
U.S.

Moderator: **Akihiro Nakao** (XGMF Co-Chairperson)

Following topics will delve deeper into the discussion theme

- Delve deeper into the following topics:
 - Trends in AI utilization (AI-RAN, ORAN-RIC) (for everyone)
 - U.S. developments regarding ORAN (for Abhimanyu Gosain)
e.g. USG, \$1.5billion ORAN investment
 - NTN (LEO/HAPS) (for Abhimanyu Gosain and Matti Latva-aho)
 - DIANA (NATO)
 - Key focus areas in the Netherlands (for Paul Wijngaard)
e.g. 300M euro program including government plans
- And ask for opinions on the key areas for collaboration