

The 6th Global 5G Event was held from November 28th and 29th in Rio de Janeiro, Brazil. Over 200 participants gathered from all over the world, including government officials, experts, and representatives of industries, to discuss the theme of the Event: “5G Technology Changing Paradigms of a New Society”. The IEEE 5G Summit Rio was also held on November 30th, with only 100 participants mainly from Brazil.

The 6th Global 5G Event

■ **Date:** November 28(wed) and 29(Thu), 2018

■ **Venue:** Pestana Hotel (Rio de Janeiro, Brazil)

■ **Organizer:** 5G Brazil

■ **Web:** <http://6thglobal5geventbrazil.org.br/en/home/>

■ **Participants:** Participants: 70 moderators and panelists participated, including Mr. Gaku Nakazato (MIC), Dr. Yukihiro Okumura (NTT DOCOMO), Ms. Yoko Kurosawa (KDDI), Mr. Takaharu Nakamura (Fujitsu), Dr. Kohei Satoh, Secretary General (5GMF)

■ Summary:

- The impression on the event was that 5G services would soon become a reality, as participants were presented with concrete reports on a wide range of subjects including spectrum policy, standards, the current state of field trials, activities related to the specific regional characteristics, business opportunities, marketization strategies, chip sets, research and technological trends, and Beyond 5G.
- There were over 200 participants, including 5G promotion organizations, experts, industry experts and government officials from Japan, US, Europe, China, Korea and Brazil.
- The two day event featured 8 panel discussions and two keynote speeches by main sponsor Huawei along with 70 moderators and speakers.
- The unique use cases of the host nation, Brazil, where 85 percent of the population lives on 1 percent of the land, with, for example, agricultural management and remote education, as well as ways to solve these issues, which included using satellites and super cell base station, were particularly resonant.
- The opening session was entitled Government Policies for 5G, and there were six presentations on national and regional policies towards 5G. Mr. Gaku Nakazato, Director of the New-Generation Mobile Communications Office at the MIC gave a presentation on “5G Progress Status in Japan”, in which he discussed the current status and policies of 5G as we near 2020, including 5G Field Trials, frequency allocation, and other joint studies. The FCC’s Julius Knapp discussed the strategic plan, the 5G Fast Plan, which has the aim of promoting 5G technology in the US, which includes a push for more spectrum, updating infrastructure, and modernizing regulations. This includes studying utilizing spectrum below the 1GHz band for 5G, and utilizing the 6GHz band and the 95GHz band for WiFi.
- There were eight panel sessions over the two days, participants of which included Mr. Gaku Nakazato (MIC), Mr. Takaharu Nakamura (Fujitsu), Ms. Yoko Kurosawa (KDDI), and Dr. Yukihiro Okumura (NTT DOCOMO) while Dr. Kohei Satoh (Secretary-General of the 5GMF), moderated one of the panel sessions.
- At the conclusion of the Event, the 5G-IA revealed the 7th Global 5G Event (to be held in one year in conjunction with EUCNC 2019) would be held in the city of Valencia in Spain on June 17-18, 2019. (<http://www.7thglobal5gevent.eu>)
- At after the conclusion of the event the Technical Program Committee (TPC) met where opinions were exchanged on how the Event was managed and areas of improvement for the next Event. In addition, it was decided that the 2020 event, which would occur after the release of IMT-2020 PG, would be held in China.



Event Venue
(Pestana Hotel, Rio de Janeiro)



Presentation Hall (Pestana Hotel)

■ Summary of the Panel Sessions:

- The theme of Panel Session 1 was “5G Ecosystem, Challenges for its Development”. Seven presentations were given on the construction of 5G ecosystems in different countries. Fujitsu’s Mr. Takaharu Nakamura gave a presentation entitled “The Dawn of 5G”, in which he discussed activities to realize the future possibilities of a Human Centric Intelligent Society.
- The theme of Panel Session 2 was “5G for Remote Areas: Challenges and Opportunities”, KDDI’s Ms. Yoko Kurosawa gave a presentation entitled “Creating New Experience With Partners by 5G”, in which she discussed the activities with partners in how to deal with various challenges of social issues, using examples such as snow removal and sake brewing.
- The theme of Panel Session 3 was “Spectrum Harmonization and Regulatory Issues”, which had seven presentations on frequency allocation. Mr. Gaku Nakazato of the MIC gave a presentation entitled “5G Progress Status in Japan”, on the basic thinking behind frequency allocation in Japan, as well as what the current competitive criteria for allocation will be as well as concrete promotion plans going forward.
- The theme for Panel Session 4 was “The Standardization of 5G”, which was moderated by 5GMF Secretary General Dr. Kohei Satoh. There were seven presentations on the activities of the ITU-R, 3GPP, as well as in individual countries. The discussion touched upon the activities of the Global 5G Events and shared the need for further discussion of 5G + AI and Beyond 5G at Global 5G Events.
- The theme of Panel Session 5 was “5G Research and Technological Trends”, with seven presentations from different countries. Mr. Takaharu Nakamura from Fujitsu gave a presentation on “Stepping Forwards to 5G”, in which he discussed the explosive growth of new traffic, technology for the millimeter waves, smart antenna technology and the relationship between distance and latency.
- The theme for Panel Session 6 was “Infrastructure for 5G”, with seven presentations from different countries. KDDI’s Ms. Yoko Kurosawa discussed 5G marketization in a presentation entitled “5G/IoT x Digital Transformation”, with examples from KDDI.
- The theme for Panel Session 7 was “5G Trials and Pre-Commercial Launches”. Dr. Yukihiro Okumura of NTT DOCOMO gave an overview of the MIC’s 5G Field Trials in 2018 in his presentation entitled “5G System Trials in Japan”.
- The theme for Panel Session 8 was “5G Vertical Markets and Use Cases”, which included seven presentations. Dr. Yukihiro Okumura of NTT DOCOMO discussed “Co-Creation of New Services and Resolution of social issues by Utilizing 5G”, illustrated with examples from NTT DOCOMO.
- More details can be found at the Event website: <http://6thglobal5geventbrazil.org.br/en/home/>



Mr. Gaku Nakazato
(MIC)



Dr. Yukihiro Okumura
(NTT DOCOMO)



Ms. Yoko Kurosawa
(KDDI)



Mr. Takaharu Nakamura
(Fujitsu)



Dr. Kohei Satoh
(5GMF)