



No.0036

ITS Radiocommunication Experts Meeting in Tokyo

ITS Info-communications Forum (ITS-Forum) where ARIB works as a secretariat held the event "ITS Radiocommunication Experts Meeting" on 14 October 2022 in Tokyo.

- Date : 14 October 2022
- Venue : Akasaka, Tokyo
- Organizer : International Relations Committee, ITS-Forum
- Participants : About 40 participants

(This meeting was held for members of ITS-Forum.)

Mr. MASHIKO Takanori, Director of the New-Generation Mobile Communications Office, MIC, gave opening remarks. He expressed expectation for valuable discussions towards new frequency allocations for Japan's V2X systems, where some use cases require a bandwidth of more than 20MHz according to the study of the technical requirement for cooperative automated driving.

The seminar consisted of short presentations and discussions, and was moderated by Mr. YAMAMOTO Takeshi, chairperson of the ITS-Forum's International Relations Committee.

The program was as follows.

Session	Title / Outline	Speaker
Short Presentations		
(1)	C-ITS Infrastructure deployments in Europe	Mr. Martin Böhm Austria Tech.(C-Roads)
(2)	C-ITS in Europe	Mr. Niels Peter Skov Andersen CAR 2 CAR Communication Consortium
(3)	Importance of Collective Perception, V2X spectrum needs, expectation on Euro NCAP	Ms. Bettina Erdem Continental AG
(4)	C-V2X trends around the world, C-V2X roadmap envisioned by 5GAA	Mr. Maxime Flament 5G Automotive Association

(5)	Status of V2X in the United States	Mr. John Kenney Toyota InfoTech Labs
Discussions		
	[Moderator] Mr. OYAMA Satoshi National Institute of Information and Communications Technology [Theme of the discussion] Theme 1 : Review of V2X deployment activities: Achievement, Challenges and Lessons learned Theme 2 : Expectations to the next step: Challenges, New activities, Possible cooperation works Theme 3 : Findings in the discussions today, Questions or Expectations to Japan	

"5G Special Day IV" in CEATEC 2022

CEATEC 2022 was held in-person at Makuhari Messe located in the suburbs of Tokyo in October for the first time in three years, as well as online. During CEATEC 2022, online workshop titled "5G Special Day IV" was delivered on October 19th.

More than 300 people viewed the online broadcast which was distributed from the studio located in the city of Tokyo. Its archive had been provided until the end of October.

1. Outline of the Event

Schedule	19 October 2022
Venue	Online
Organizer	[AM] The Local 5G Utilization 2022 Workshop - Local 5G Promotion Public-Private Coordination Committee - Communications and Information Network Association of Japan (CIAJ) - Association of Radio Industries and Businesses (ARIB) - 5th Generation Mobile Promotion Forum (5GMF) [PM] 5G Latest Trends 2022 International Workshop - Ministry of Internal Affairs and Communications (MIC) - 5GMF - ARIB
Numbers of Viewers	192 (AM), 132 (PM)

2. Program

At the beginning, Prof. YOSHIDA Susumu, Chairman of 5GMF (Professor Emeritus of Kyoto University), gave an opening address on behalf of the organizers, followed by a speech by Mr. TOYOSHIMA Motonobu, Director-General of the Radio Department, MIC as a guest of honor.

(1) The Local 5G Utilization 2022 Workshop (AM)

Main Subject: Expansion of utilization, challenges, and future prospects	
Title / Outline	Speaker
Opening Remarks	Mr. NISHIOKA Seiji Executive Director of ARIB
Local 5G Promotion Initiatives by MIC	Mr. UCHIDA Yuichiro Director of the Digital Economy Promotion Office, MIC
The activities of regional wireless business and the future vision	Mr. NAKAMURA Mitsunori Manager of Information and Communication department, Hanshin Electric Railway Co. Ltd.
Local 5G Initiatives in Industrial Use cases	Mr. KADONO Takaaki Director of Advanced Technology Group, Nippon Telegraph and Telephone East Corporation
Panel Discussion: “Talking frankly about the current status and prospects of Local 5G”	Ms. OHYAMA Rika (Moderator) Director of Advanced Technology Group, Nippon Telegraph and Telephone East Corporation Prof. MORIKAWA Hiroyuki Chairman of Strategy&Planning Committee, 5GMF (Professor of The University of Tokyo) Mr. OHYA Yasuo Chairman of 5G/Beyond5G System Committee, CIAJ (TOSHIBA CORPORATION) Mr. UCHIDA Yuichiro Mr. NAKAMURA Mitsunori Mr. KADONO Takaaki
Closing Remarks	Mr. ISHII Yoshinori Executive Vice President of CIAJ



Prof. YOSHIDA



Mr. TOYOSHIMA



Mr. NISHIOKA



Mr. UCHIDA



Mr. NAKAMURA



Mr. SEKINO



Panel Discussion
 Ms. OHYAMA, Prof. MORIKAWA, Mr. UCHIDA, Mr. NAKAMURA, Mr. KADONO, Mr. OHYA
 (from the Left)



Mr. ISHII

(2) 5G Latest Trends 2022 International Workshop (PM)

Title / Outline	Speaker
Opening Remarks	Prof. YOSHIDA Susumu
Keynote Speech	Mr. NAKAMURA Yuji Director of Land Mobile Communications Division, MIC
5G Commercial Situation and Technology Development Trend of China	Mr. Deng Wei Deputy Director of Department of Wireless & Terminal Technology, China Mobile Research Institute
5G Status and Plan for 6G in Korea	Prof. Hyeon Woo LEE Vice Chairman of the Executive Committee, 5G Forum (Professor at DanKook University)
Initiatives for 5G Commercialization and Example Cases in Thailand	Mr. Saneh Saiwong Principal Engineering Expert of Office of NBTC

<p>Panel Discussion: “Japan's Digital Strategy for 5G Utilization”</p>	<p>Mr. SEKIGUCHI Waichi (Moderator) President of MM Research Institute (former editorial writer and columnist for Nikkei Inc.)</p> <p>Prof. NAKAO Akihiro Chairman of Network Architecture Committee, 5GMF (Professor of The University of Tokyo)</p> <p>Mr. IWANAMI Gota Chairman of Service and Application Committee, 5GMF (President of INFOCITY, Inc.)</p> <p>Mr. TANI Naoki Executive Vice President of NTT DOCOMO</p> <p>Mr. KAWAMURA Atsuo Executive Vice President, President of Network Services Business Unit, NEC Corporation</p> <p>Mr. FUJIOKA Masanobu CTO of Ericsson Japan K.K.</p>
<p>Closing Remarks</p>	<p>Mr. OHMURA Yoshinori Secretary General of 5GMF</p>



Mr. MAKAMURA



Mr. Deng Wei



Prof. Hyeon Woo LEE



Mr. Saneh Saiwong



Panel Discussion
Mr. SEKIGUCHI, Prof. NAKAO, Mr. IWANAMI, Mr. TANI, Mr. KAWAMURA, Mr. FUJIOKA
(from the Left)



Mr. OHMURA

Exhibition in Inter BEE 2022 by ARIB/DiBEG

The 58th Inter BEE (International Broadcast Equipment Exhibition) 2022 was held at the Makuhari Messe in the suburbs of Tokyo, where ARIB/DiBEG participated.

1. Event outline

Inter BEE is Japan’s largest broadcasting equipment exhibition, and this year was the 58th time held. According to the organizer's announcement, face-to-face conferences were held for the first time in three years at the international conference hall and the open stage, with 810 exhibitors, 1,349 booths, and 26,901 visitors based on the registration. The number of exhibitors and visitors has recovered to 60-70% of the pre-corona crisis (2019).

Schedule:

- Real exhibition : from 16 to 18 November 2022
at Makuhari Messe (in the suburbs of Tokyo)
- Online exhibition: from 1 November to 23 December 2022

Comparison of the scale of Inter BEE over the past three years

Year (Exhibition form)	Number of exhibitors	Number of booths	Number of visitors
2022 (Real, Online)	810	1,391	26,901
2021 (Real, Online)	495	749	18,308
2020 (Online)	140	—	—
2019 (Real)	1,158	2,125	40,375

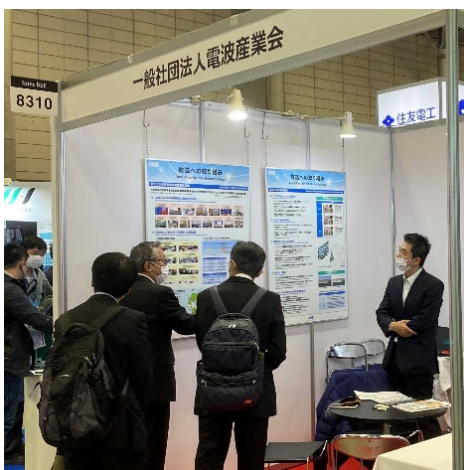
2. Real exhibition of ARIB/DiBEG

At the ARIB/DiBEG booth, explanations of the recent state of standardization in the broadcasting field, efforts toward next-generation broadcasting technology, and the international expansion of ISDB-T by DiBEG were provided.

Visitors to the booth expressed interest in the fact that the number of countries that have adopted ISDB-T had reached 20, and the development trends of digital terrestrial television broadcasting overseas.

3. Seminar

At the IP Pavilion Relay Seminar, Mr. TAKIGUCHI Yoshiro (NHK Science & Technology Research Laboratories), Chairman of the Studio equipment interface working group, Technical committee of ARIB, gave a lecture on domestic standardization and future prospects for the program production IP interface standardization at ARIB.



Exhibition booth of ARIB/DiBEG

Vehicle Safety Communications Seminar 2022

ITS-Forum for which ARIB works as a secretariat held "Vehicle Safety Communications (VSC) Seminar 2022 - The results of the international conference concerning VSC and the activity report of the Forum -" at Meiji Kinenkan hall in Tokyo on 22 December 2022. About 70 participants from ITS-related ministries/organizations and member companies of ITS-Forum attended the Seminar.

The program of the Seminar was as follows.

Session	Title	Speaker
	(Moderator)	Mr. YAMAMOTO Takeshi Chairman of International Relations Committee, ITS-Forum (Autotalks Ltd.)
	Opening Remarks	MASHIKO Takanori Director of the New-Generation Mobile Communications Office, MIC
[Report 1] Global Trends surrounding ITS Wireless Systems		
(1)	Report on ITS World Congress 2022 Los Angeles	Mr. AZUMA Yoshiki Assistant Director of the New-Generation Mobile Communications Office, MIC

(2)	Standardization of ITS Communications in ISO TC204	Mr. HOSHI Yoshinori Chairman of ITS Standardization Committee(Japan)/Technical Committee/WG16 : Communications (Oki Consulting Solutions Co., Ltd.)
(3)	International Standardization Trends in ITS/Automated Driving in the ITU-R	Mr. YOKOYAMA Takahiro Chairman of International Standardization Promotion TG, ITS-Forum (ARIB)
[Report 2] Domestic and International Initiatives for Automated Driving and Safe Driving Assistance		
(1)	Domestic and International Trends toward the Implementation of Level 4 Mobility Service	Mr. SHIRATO Ryota Senior Vice President of ITS Japan
(2)	Collision Warning System for Saving Youth Lives	Dr. Henry Meng Senior Deputy Director General of Software Technology Institute, Institute for Information Industry
(3)	Overview of SIP 2nd Phase FOTs in the Tokyo Waterfront Area	Mr. TSUDA Yoshiaki Representative for the SIP 2nd Phase FOTs in the Tokyo Waterfront Area Consortium (Mitsubishi Electric Corporation)
[Report 3] Study on Next Generation Wireless Communication System in ITS-Forum		
(1)	Study on Wireless Communication System for Automated Driving System - Progress Report for SIP Cooperative Automated Driving Use Case -	Mr. HAMAGUCHI Masaharu Chairman of Radio System Technology TG, ITS-Forum (Oki Electric Industry Co., Ltd.)
(2)	Experimental Guideline for BICYCLE/PEDESTRIAN Accident Prevention and Automated Driving Support System including the use of smart poles	Mr. DOI Yoshiharu Chairman of 700MHz BAND ITS Implementation Committee, ITS-Forum (Toyota Motor Corporation)
	Closing Remarks	Prof. OBANA Sadao Chairman, Executive Committee, ITS- Forum (Member of the Board of Directors, The University of Electro-Communications)



Association of Radio Industries and Businesses

ARIB SEASON
Publishing

1-4-1 Kasumigaseki, Chiyoda-ku, Tokyo 100-0013 JAPAN
<https://www.arib.or.jp/english/>