

Report of IEEE Metro Area Workshop in Tokyo, 2015 – ICT technology vision toward 2020 –

IEEE Tokyo Section

The workshop was held on May 15-16, 2015, at Nishi-Waseda Campus, Waseda University. It was sponsored by IEEE Tokyo Section with the support of Waseda University and The Council for Info-Communications Promotion Month. IEEE Student Branch Leadership Training Workshop, IEEE Authorship Workshop and IEEE SYW Workshop are co-located. The number of MAW workshop participants was 89, and the number of Reception participants was 121, consisting of members from IEEE Headquarters, Japan Council, Sections, Student Branches, YPs, WIE, LMAGs and also non-members from industries.

From the IEEE Headquarters, Mr. Howard Michel, MGA SD&EA committee members, i.e. Prof. Toshio Fukuda, Prof. Lawrence Wong, Ms. Fanny Su, Mr. Jamie Moesch, Dr. Maike Luiken, Ms. Cecelia Jankowski, Dr. Sreeraman Rajan, Mr. MGPL Narayana, and Mr. Kostas Stasopoulos attended and understood what are presented and what kind of discussions were going on via simultaneous Japanese-English interpretation.

The organizing committee would like to express their sincere thanks to the following organizations and their members for various supports extended:

- Waseda University (faculties and student members) for allowing the use of the university facilities, prior and during the workshop and providing various supports in local arrangement.
- IEEE Japan Office for the simultaneous interpretation.
- Session organizers and coordinator, and distinguished speakers of each session

<u>Contents</u>	<u>Page</u>
1. Workshop Program	4
2. Report of Workshop	16
3. Report of Registration/ Attendance/ Download of Presentation Slides	36
4. Questionnaire Survey Results	38

1. Workshop Program

IEEE Metro Area Workshop in Tokyo, 2015

– ICT technology vision toward 2020 –

May

15 Fri – 16 Sat

Nishi-Waseda Campus, 55 bldg. Waseda Univ.
早稲田大学 西早稲田キャンパス 55号館
<http://www.sci.waseda.ac.jp/access/>

● Day 1 : May 15 5月15日 (金)

● Day 2 : May 16 5月16日 (土)

8:45~9:10 Registration

9:10~9:30 Welcome Address

Kazuo Hagimoto, Chair, IEEE Tokyo Section
Howard Michel, President, IEEE
Shuji Hashimoto, Senior Executive Vice President, Waseda University

9:30~11:30 Session 1 IoT

Organizer: Hiroataka Hara, Fujitsu Laboratories
Session Chair: Takashi Aoki, Fujitsu Laboratories

- IoT (モノのインターネット) 活用がもたらす持続的イノベーション
福田 修一 東京大学 先端科学技術研究センター
Utilization of IoT (Internet of Things) and sustainable innovation
Shuichi Inada Research Center for Advanced Science and Technology, The University of Tokyo
- oneM2M標準化動向とM2M/IoTの方向性
山崎 徳和 KDDI
oneM2M Standardization Activity and M2M/IoT Service
Norikazu Yamasaki KDDI
- IoT/M2Mの技術動向と社会インフラ分野事例
木下 泰三 日立製作所
IoT/M2M technology trend and usecase for social infrastructure
Taizo Kinoshita Hitachi
- IoTが牽引するハイパーコネクテッドクラウドの世界
飯田 一朗 富士通研究所
Hyper connected cloud environment empowered by IoT technologies
Ichirou Iida Fujitsu Laboratories

13:00~15:00 Session 2 Automotive

Organizer: Atsushi Murase, NTT

- クルマの進化とこれからのモビリティ社会
二見 徹 日産自動車
Advanced Technology and Future Mobility Society
Tooru Futami Nissan Motor
- つながるクルマ ~スマホ連携で始まったオープン化~
安保 正敏 デンソー
Connected Car ~Open Services that started with Smartphone Connectivity~
Masatoshi Abo DENSO
- モバイル通信システムにおけるM2M/IoTソリューションと次世代システム5G
梅田 成規 NTTドコモ
Trends of M2M/IoT Solutions in Mobile Communication Systems and the Next Generation
5G System
Narumi Umeda NTT DOCOMO

15:30~16:10 Special invited speech

Coordinator: Isamu Chiba, Mitsubishi Research Institute

- 我が国の科学技術イノベーション政策
久間 和生 内閣府総合科学技術会議 議員
Science, Technology and Innovation Policy of Japan
Kazuo Kyuma
Executive Member of the Council for Science, Technology and Innovation, Cabinet Office,
Government of Japan

16:10~17:30 Special session

Organizer: Hidenobu Harasaki, Secretary, IEEE Tokyo Section

- How can IEEE provide its value to young professionals in Japan?
Speaker from IEEE MGA /Speaker from IEEE Japan Council Industry Promotion Committee

18:00~20:30 Reception

Special Session for Students, IEEE Young Professionals, IEEE Women in Engineering

Open Session (FREE)

9:30~10:00 Welcome Address

Hidenori Nakazato, Chair, IEEE Japan Council Student Activities Committee
Takako Hashimoto, Chair, IEEE Women in Engineering

10:00~11:00 Young Professionals / Women in Engineering

Organizer: Kojiro Nishimiya, Schlumberger

- 大型計算機開発経験に基づいた「シンギュラリティ」実現課題とブレークスルー技術への期待
中川 八穂子 日立製作所
"Technological Singularity" Implementation Challenges and Expected Innovation based on Highend
Computer development experience
Yaoko Nakagawa Hitachi
- 「GOLD = Young Professionals = Priceless」
大野 光平 明治大学 総合数理学部
Kohei Ohno
School of Interdisciplinary Mathematical Science, Meiji University

11:00~11:30 Authorship Workshop Opening Address

Coordinator: Hidenori Nakazato, Waseda University

- Overview of Authorship Workshop and Introduction to IEEE Publications
George Plosker, Manager, IEEE Client Service

13:00~15:00 Session 3 4k/8k

Organizer: Atsushi Takahara, NTT

- 8Kスーパーハイビジョンが拓く新たな時代
黒田 徹 NHK
A New Era of Television Led by 8K Super Hi-Vision
Toru Kuroda NHK
- イマーシブテレプレゼンス技術 Kirari !
川添 雄彦 NTT
Concept of Immersive Telepresence "Kirari!"
Katsuhiko Kawazoe NTT
- 「臨場感・アクセス感・参加感」
島田 啓一郎 SONY
"Immersive experience", "Information accessibility", and "Sense of participation"
Keiichiro Shimada SONY

15:30~17:30 Session 4 Standardization

Organizer: Hidenobu Harasaki, NEC

- 別の道としての標準化
江川 尚志 NEC
Standardization, an alternative exit and carrier path
Takashi Egawa NEC
- 目指せ、グローバルの志士! IEEE802標準化会議は宝の山
加藤 修三 東北大学 電気通信研究所
Let's aim for Global Experts
IEEE802 (WLAN, WPAN) Standardization Meetings offer Excellent Opportunities
Shuzo Kato RIEC, Tohoku University
- ネットワーク分野におけるOSS活動と標準化
島野 勝弘 NTT
OSS activities and standardization in networking technologies
Katsuhiro Shimano NTT

[Registration fee]

IEEE member JPY1,000 / Non IEEE member JPY2,000
/ Free for full-time student and fulltime graduate student
一般2,000円 / IEEE会員1,000円 / 学生 参加無料
※5月16日 (土) AM Special session 全員参加無料

[Reception fee]

JPY 3,000 懇親会参加費: 3,000円

[Registration]

<http://www.ieee-jp.org/section/tokyo/app/mawtokyo2015-r.html>

[Registration Deadline]

May 14 (Friday) 2015 / May 7 (Thursday) 2015

[Organizing Committee]

Chair: K. Hagimoto, NTT Electronics
K. Emura, NEC/Y. Mochida, Freistaat Bayern Repräsentanz Japan/
H. Fujishiro, Tokyo University of Science / H. Harasaki, NEC/
I. Chiba, Mitsubishi Research Institute / K. Ishikawa, PicoTherm/
K. Nishimiya, Schlumberger / T. Tsuda, Waseda University/
H. Nakazato, Waseda University / I. Hyakutake, IEEE Japan Office



Special invited speech

Science, Technology and Innovation Policy of Japan

Kazuo Kyuma

Executive Member of the Council for Science, Technology and Innovation, Cabinet Office, Government of Japan



March, 1972 Graduate from
Tokyo Institute of Technology

March, 1977 Finish Doctor's course of
Tokyo Institute of Technology (Ph.D)

April, 1977 Central Research Laboratory,
Mitsubishi Electric Corporation

April, 2003 General Manager,
Advanced Technology R&D Center,

April, 2006 Executive Officer, Corporate R&D

April, 2010 Senior Vice President,
Group President, Semiconductor & Devices

April, 2011 Executive Vice President

April, 2012 Senior Corporate Advisor

March, 2013- Executive Member, Council for Science,
Technology and Innovation, Cabinet Office

Session 1 IoT

Utilization of IoT (Internet of Things) and sustainable innovation

Shuichi Inada

**Research Center for Advanced Science and Technology,
The University of Tokyo**

Shuichi Inada received the B.E. (1977) and M.E. (1979) degrees from Kyushu University, Japan. He also received the M.A. in Economics (1984) from University of Colorado at Boulder, USA.

He worked for policy making and its engineering supports in the fields of mobile communications, ubiquitous networks, information security, R&D promotion and broadcasting digitalization in the Ministry of Posts and Telecommunications and the Ministry of Internal Affairs and Communications (MIC) from 1979 to 2012. His research interests are social and business aspects of Big Data and M2M/IoT.



one M2M Standardization Activity and M2M/IoT Service

Norikazu Yamasaki

KDDI

After receiving the B.S./M.S. degrees in Electronic Engineering from Kyoto University (Major field : Radio Communication Engineering), he joined KDD. He started with research and development work for digital satellite communications system in R&D Labs. Afterwards, he joined ITU-R, WAP Forum, OMA and 3GPP2 standards activities and he served for Chair position for 3GPP2 TSG-S from 2005 to 2012 and Leadership for related domestic standards activities. He joined ETSI TC M2M in 2011 and

oneM2M in 2012 and has serving for Vice Chair of Technical Plenary, oneM2M since 2013.He is also Chair of oneM2M Technical committee TTC.

IoT/M2M technology trend and usecase for social infrastructure

Taizo Kinoshita
Hitachi

1981 CRL, Hitachi,Ltd.,
2002 CRL, Research Planning Div. and multimedia Research Div.
2004 WirelessInfo Venture Company,
2013 telecommunication Network Div.
2015 IoT Business Div.



Hyper connected cloud environment empowered by IoT technologies

Ichirou Iida
Fujitsu Laboratories

Dr. Ichiro Iida received Ph.D degrees in electronics engineering from the University of Tokyo in 1983, respectively. He joined Fujitsu Labs.Ltd in 1983. He has been engaged in the research and development on computer network and distributed software architecture. His research interests include the Internet architecture, Web technologies and mobile ubiquitous computing. He is a member of IPSJ and IEICE Japan.



Session 2 Automotive

Advanced Technology and Future Mobility Society

Tooru Futami
Nissan Motor



1981 Graduated The University of Tokyo
Bachelor of Electronic Engineering Department
1981 Entered NISSAN MOTOR CO., LTD,
In charge of In-vehicle electronic system research and
development of in Central Institute.
1991 Planning and development of IT system
2005 Planning and development of IT & ITS system
Engineering and EV-IT system Present

Connected Car

~ Open Services that started with Smartphone Connectivity ~

Masatoshi Abo
DENSO

Masatoshi Abo joined DENSO Corp. in 1985 and has 15 years of experience as Planning & Development manager of Telematics and GPS navigation systems.

Since 2008, he has been promoting use of smartphones in cars, taking a lead in development of a mobile application, “NaviCon”, which has won several awards from MCF, MCPC and other industry associations.



He is also a hosting member of the “Smart Tech Award”, an event that encourages private and startup developers to create vehicle related

applications.

Trends of M2M/IoT Solutions in Mobile Communication Systems and the Next Generation 5G System

Narumi Umeda
NTT DOCOMO

He received his B.S., M.S., and Ph.D. degrees in Electronics Engineering from Hokkaido University, Japan in 1985, 1987, and 2007, respectively. He joined the NTT Laboratories in 1987, and in 1992 he was transferred to NTT DOCOMO, INC. He has broad experiences on R&D of mobile communication systems especially for the radio access networks. He actually has been engaged in R&D on the radio link control for Personal Digital Cellular (PDC), IMT-2000(3G), LTE, LTE-Advanced(4G), and 5G.



Session 3 4k/8k

A New Era of Television Led by 8K Super Hi-Vision

Toru Kuroda
NHK



Dr. Kuroda joined NHK (Japan Broadcasting Corporation) in 1982. He worked at NHK Science & Technology Research Laboratories (STRL) and engaged in research and development related to FM multiplex broadcasting, digital transmission and transmission system for digital terrestrial television broadcasting (ISDB-T). He has been the director of STRL since 2014 after he worked at Engineering Administration Department, Corporate Planning Bureau and so on. He won Hosono Bunka Foundation Award, Ichimura Academic Award (The New Technology Development Foundation) and C&C Prize.

Concept of Immersive Telepresence “Kirari !”

Katsuhiko Kawazoe
NTT

Katsuhiko Kawazoe received his bachelor and master degree in Engineering from Waseda University, Japan. Since joining NTT in 1987, he has been engaged in R&D of radio communication systems, satellite communication systems, and video services such as IPTV systems. His specialized in highly efficient data transmission schemes for integrated-media systems. In 2003, he was appointed to Director of NTT



Cyber Solutions Laboratories. He was engaged in the R&D project of the broadband and broadcast services. In 2008, he was appointed to Chief Producer of content distribution in R&D Planning Department. From July 2014, he is the vice president and general manager of NTT Service Evolution Laboratories, NTT Corporation.

He received his Ph.D. degree in information engineering from Kyoto University, Japan.

**“Immersive experience”, “Information accessibility”, and
"Sense of participation"**

Keiichiro Shimada
SONY

April 1958 Born in Japan

March 1981 Graduated The University of Tokyo,
Faculty of Engineering

April 1981 Entered Sony Corporation

1981-1994 In charge of the development of Video Camera and Home
Video Technology

1996-2003 President of VAIO Notebook Computer Company and
Mobile Network Company, Sony Corporation

2006-2012 President of Technology Development Group, Sony
Corporation

2007 to present SVP, Corporate Executive, Sony Corporation

2012 to present In charge of Mid-and Long-term Technology and
Corporate Technology Policy and Relations , Sony Corporation



Session 4 Standardization

Standardization, an alternative exit and carrier path

Takashi Egawa
NEC

Takashi EGAWA worked as a research engineer of communication technologies, in particular on network management, QoS and active networks in NEC, and as a visiting researcher in ETH Zurich and NICT. He then is involved in standardization, in particular in ITU-T and served as a chair of Focus Group on Future Networks and Joint coordination activity on SDN.



Let's aim for Global Experts
IEEE802 (WLAN, WPAN) Standardization Meetings offer
Excellent Opportunities

Shuzo Kato
RIEC, Tohoku University

Visiting Professor, Tohoku University Microsystems Integration R&D Center (Prof. Emeritus, Ex-Prof. at Research Institute of Electrical Communications, Tohoku University). Specializing wireless communications signal processing, ASIC implementation, system development, up to manufacturing in Japan and USA. He contributed to 60 GHz communications system standardization as Vice Chair of IEEE 802.15.3c Task Group. He cofounded PIMRC and is Life Fellow, IEEE.



OSS activities and standardization in networking technologies

Katsuhiro Shimano

NTT

He joined NTT in 1993.

He engaged in optical networking, especially ROADM and GMPLS systems.

Then he was in the NGN deployment team.

Since 2012, he has worked for research, development, and standardization in network virtualization, SDN and NFV.



Special Session for Students, Young Professionals, Women in Engineering

“Technological Singularity” Implementation Challenges and Expected Innovation based on Highend Computer development experience

Yaoko Nakagawa
Hitachi



Yaoko Nakagawa (Member, IEEE) has been working for Hitachi, Ltd. since 1981 after graduating from University of Tokyo.

To 2007, she engaged in development of vector supercomputers, large mainframe computers and super technical servers such as SR8000.

After moving to Central Research Laboratory in 2008, she was a general manager of Embedded System Research Laboratory, and a Future Computing Project leader.

Her research interests include Emerging Technologies in Computing Systems.

「GOLD = Young Professionals = Priceless」

Kohei Ohno
School of Interdisciplinary Mathematical Science,
Meiji University

Kohei Ohno received the Dr. E. degrees in electrical engineering from Meiji University in 2008.

From 2008 to 2013, he was an assistant professor at Tokyo University of Science.

Since 2013, he has been a senior assistant professor of Meiji University.

He was IEEE GOLD Vice Chair from 2008 to 2012, GOLD/Young Professionals Chair from 2013 to 2014. He has been IEEE ITS Society Tokyo Chapter Secretary from 2014. His major interest includes radio communications and ranging technique.



2. Report of Workshop

Day 1, May 15 (Friday)

Welcome Address

Mr. Kazuo Hagimoto, General Chair of MAW organizing committee, welcomed the attendees and explained why IEEE Tokyo Section held this workshop. The objective of the workshop is to provide an opportunity to consider the ICT technology vision toward 2020, the year of Olympic and Paralympic Games in Tokyo, and to motivate young professionals including working engineers of the industries and students who will become leaders of Japanese and/or global technology area in near future.



Since Mr. Howard Michel showed up late because of traffic jam in the morning of Tokyo, Prof. Shuji Hashimoto, Senior Executive Vice President, Waseda University, secondly welcomed the attendees, and explained the mid-term vision toward 2032, 150th anniversary, of Waseda University.



One of 70 projects toward the mid-term vision is “globalization”. More than 4000 foreign students are studying annually in Waseda campuses, and more than 3000 students are studying abroad. The project is how to double the number of foreign students and how to treble the number of studying aboard by 2032.

Another project is how to contribute local society, i.e. Tokyo Metropolitan Area.

There are similarity between the projects above and the objective of MAW in Tokyo.

Mr. Howard E. Michel, the president of IEEE, thanks the organizing committee members of the MAW in Tokyo. He explained that MAW in U.S. started to collaborate with working engineers of the industries and bring them to IEEE. He thanks again the volunteers for preparing this workshop.



Session 1 IoT

Organizer: Hirotaka Hara/Satoshi Okuyama, Fujitsu Laboratories
Session Chair: Takashi Aoki, Fujitsu Laboratories

■ Subject/Aim

- To comprehend the latest technology trends, global standardization activities, and actual cases of IoT. To discuss the next challenge for sustainable innovation from industry and academic point of view.

■ Program

May 15, 9:30~11:30

- 1-1 Utilization of IoT (Internet of Things) and sustainable innovation
Shuichi Inada, Research Center for Advanced Science and Technology,
The University of Tokyo
- 1-2 oneM2M Standardization Activity and M2M/IoT Service
Norikazu Yamasaki, KDDI
- 1-3 IoT/M2M technology trend and usecase for social infrastructure
Taizo Kinoshita, Hitachi
- 1-4 Hyper connected cloud environment empowered by IoT technologies
Ichirou Iida, Fujitsu Laboratories

■ Q&A/Discussion(summary)

Lively discussions have been made with young participants.

- (1-1) How do we make an innovation? How we can evaluate an innovation at the starting point and on the halfway?
 - An innovation is not made by an individual but by a team. Noticing a new value/UX¹ around fields and evaluating the value by a community realizes the innovation.



Prof. Shuichi Inada, the University of Tokyo

¹ user experience

- It's an intuition at first. We need a manager with good insight. How to monetize the innovation will be unveiled on the way.

- (1-2) What was the difficult part for the OneM2M standardization? How does a university research make a relationship with the standardization?

- OneM2M standardization was difficult because each SDO has various opinions, but we've been proceeding steadily and tenaciously.
- So far the standardization has a relationship with the business or companies mostly. University research contributions were not many. But at ITU-T, university research results are included in the standard. I think it is a new movement to be practiced widely.



Mr. Norikazu Yamasaki, KDDI

- (1-3) How do you know the new needs of the field doing IoT

- It's a very difficult problem. We often talk with customers in the field who are not familiar with ICT to find new needs and ideas.



Dr. Taizo Kinoshita, Hitachi

- (1-4) When will the Hyper-connected cloud be realized? How do you choose a research theme?

- Maybe in 2-3years. There are some difficulties to be solved such as security, an intelligent context-aware engine for human-centric services, high performance of Web based system and so on.
- I chose subjects according to my interest. I encourage young researchers to come up with wild new ideas.



Dr. Ichirou Iida, Fujitsu

Session 2 Automotive

Organizer: Atsushi Murase, NTT

■ Subject/Aim

- Self-driving cars became a rapidly realistic challenge the past few years. In this session, we discuss the latest situation of electric and artificially intelligent cars, open car platform with smartphone SNS and relevance of mobile communication network as advanced self-driving car infrastructure.

■ Program

May 15, 13:00~15:00

- 2-1 Advanced Technology and Future Mobility Society
Tooru Futami, Nissan Motor
- 2-2 Connected Car
~Open Services that started with Smartphone Connectivity~
Masatoshi Abo, DENSO
- 2-3 Trends of M2M/IoT Solutions in Mobile Communication Systems and the Next Generation 5G System
Narumi Umeda, NTT DOCOMO

■ Q&A/Discussion(summary)

Following the 3 talks, several topics were discussed in the panel Q&A.

- It was questioned that accident responsibility judgements in self-driving car traffic would be difficult.
 - Answered, it would be also possible to solve the problems with gaining massive volume of analytical data through the event. To realize safety self-driving cars, it is also important to introduce self-learning software technologies.



Mr. Tooru Futami, Nissan



Mr. Masatoshi Abo, DENSO

- It was claimed that not only self-driving cars but solutions combining several mobility systems such as cars, buses and trains are mostly relevant, especially for future aging society.
 - Everyone agreed and ICT and political/industrial collaboration will be needed to realize such solutions.
- It is worried if the social tolerances level would be enough for accepting self-driving cars.
 - Japanese people are very conservative but it could be accepted with showing statistically safe.



Dr. Narumi Umeda, NTT DOCOMO



Special invited speech

Coordinator: Isamu Chiba, Mitsubishi Research Institute

■ Program

May 15 15:30-16:10

- “Science, Technology and Innovation Policy of Japan”

Kazuo Kyuma

Executive Member of the Council for Science,
Technology and Innovation, Cabinet Office

- In this special invited speech, Dr. Kyuma presented about the points of science, technology and innovation policy of Japan. Politic items that he mentioned in this speech are as follows:



Dr. Isamu Chiba, Coordinator



Dr. Kazuo Kyuma, Cabinet Office

- Cycle of Economic Growth
~Roles of Industry and National~
- Sustainable Innovation and Disruptive Innovation
- Three Types of Disruptive Innovation
- Cultivation of Human Resources for Creations of Innovation
- Japan Revitalization Strategy
- Five Grand Challenges toward Ideal Society
- Disruptive Innovation created at TOKYO Olympic 1964
- Implementation of the Comprehensive Science, Technology and Innovation Strategy
- Cross-Ministerial Strategic Innovation Promotion Program (SIP)
- Impulsing Paradigm Change through disruptive Technologies (ImpACT)
- S&T Basic Law and S&T Basic Plans
- 5th Basic Plan for Science and Technology Policy

- Proposal of the concrete items for the 5th Basic Plan for Science and Technology Policy (outline)

■ Q&A/Discussion(summary)

- Q/ For carrying out these policies, which do you adopt top-down approach or bottom up approach?
 - A/ The answer is that we should take both approaches case by case.
For example, the top-down approach should be adopted in enhancement of human resources mobility.

Special session

- How can IEEE provide its value to young professionals in Japan -

Organizer: Hidenobu Harasaki, Secretary, IEEE Tokyo section/NEC

■ Program

May 15 16:10-17:30

This special session is schedule after special invited talk by Dr. Kyuma and just before the joint reception with IEEE Student Branch Leadership Training Workshop attendees. The objective of the session is to present how IEEE can provide its value to young professionals in Japan.

Speakers are:

- Prof. Toshio Fukuda, Chair, IEEE MGA SD&EA,
- Prof. Tomonori Aoyama, Chair, IEEE Japan Council
- Dr. Yukou Mochida, Chair, Industry Promotion Committee, IEEE Japan Council
- Dr. Kojiro Nishimiya, Chair, Young Profession Affinity Group, IEEE Tokyo section.

- Prof. Fukuda presented SD&EA committee activities that include IEEE MGA focuses member development in Japan and India.
- Prof. Aoyama presented IEEE member statistics in Japan and technical paper submission comparison with other Asian countries. And he highlighted twenty six IEEE milestones are awarded so far nominated from sections in Japan



Prof. Toshio Fukuda, Chair, IEEE MGA SD&EA



Prof. Tomonori Aoyama, Chair, Japan Council

- Dr. Mochida presented the workshop on Japanese Industry Promotion in November 2014 and Industry Promotion Committee activities in 2015 that includes establishing in-house IEEE network.



Dr. Yukou Mochida, Chair, IPC, JC

- Dr. Nishimiya presented how he enjoyed his IEEE volunteer works and concluded that the value of IEEE for him is the network with different field (society) and various groups, such as Life member, Student Branches, Women in Engineering, and Young Professionals.



Dr. Kojiro Nishimiya, Chair, YP, Tokyo Section

■ Q&A/Panel Discussion(summary)

- A comment from floor was that IEEE should have more contact points with industry. The working engineers believe IEEE is a professional society that PhD members only. IEEE Standardization seems to be the only window to working engineers of the industries.
- A question was raised from floor that what IEEE members in the U.S industry are doing in IEEE, writing technical papers or other activities.
 - Prof. Fukuda replied that IEEE members in U.S. industry are creating and maintaining the human networks to seek career opportunity and job security. Dr. Mochida added the comment that collaboration with other technical fields of other companies is more important, prior to solving complicated social problems and exploring needs.
- A retired person from floor pointed out that he enjoyed IEEE Xplore digital library when he was working for IBM, but he became a member to access the library after

retirement to watch the new technologies. The value of the IEEE is a global network of human and technical paper resources.

- Working engineers in big companies can use IEEE Xplore with corporate membership. They don't have any incentive to become IEEE member to use IEEE Xplore.
- Last question was raised by Prof. Nishihara from floor to Dr. Nishimiya. Once a very active small group such as Young Profession Affinity Group is formed, it might be a barrier to invite a new member to the group. Is this kind of problem identified?
 - Dr. Nishimiya replied half members of YP affinity group are graduates of student branches. Therefore, university students that the university does not have IEEE student branch may be difficult to start working with YP. Prof. Nishihara pointed out there is missing affinity group for middle ages. YP is for young members and LMAG is senior members. Prof. Fukuda finally pointed out that there might be a barrier to invite new supporting companies to the current eight companies.



Networking Reception

■ May 15, 18:00~20:30

After sessions of the 1st day, the networking reception was held at Rohm Square, Nishi-Waseda Campus, Waseda University.

Since it was held as a joint reception among MAW and co-located Student Branch Leadership Training Workshop, Authorship Workshop and SYW Workshop, 121 persons were joined.

Plaques to celebrate 10-year anniversary were presented to Nara Institute of Science and Technology SB, Tokyo City University SB, Nagoya University SB and Tokyo Denki University SB by Howard Michel, IEEE President.



IEEE Japan Council WIE celebrated its 10th Anniversary.



Day 2, May 16 (Saturday)

Welcome Address

Prof. Hidenori Nakazato, Chair of Japan Council Student Activities Committee, explained Day 2 session structure. Student Branch Leadership Training Workshop, SYW Workshop and Authorship Workshop are co-located with MAW. After this Welcome Address, Special Session for Students, YPs and WIE, and Authorship Workshop Opening Address are held, and the IEEE Authorship Workshop is held in Building No. 57 in parallel. The MAW workshop will be resumed this afternoon in this room.

There are 26 Student Branches in Japan, and more than 2000 students in total.

If your university has more than 12 IEEE student members, Student Branch can be established.



Prof. Hidenori Nakazato, Chair, SAC, JC



Prof. Takako Hashimoto, Chair, WIE, IEEE

Prof. Takako Hashimoto, IEEE WIE chair, gave welcome address from Los Angeles via Skype, because she is now in sabbatical leave to University California, Los Angeles.

There are about 13000 WIE members worldwide, and more than 500 WIE groups are actively working. She also talked about IEEE WIE International Leadership Conference, will be held on 23rd and 24th May in San Jose, CA.

She emphasized the following three points:

(1) Please join IEEE, first. (2) And please also join IEEE WIE.

Finally, global networking experiences will help your career development.

Special Session for Students,

Young Professionals, Women in Engineering

Organizer: Kojiro Nishimiya, Chair, Young Professionals, IEEE Tokyo section
/ Schlumberger

■ Program

May 16, 10:00~11:00

- "Technological Singularity" Implementation Challenges and Expected Innovation based on Highend Computer development experience
Yaoko Nakagawa, Hitachi
- 「GOLD = Young Professionals = Priceless」
Kohei Ohno, School of Interdisciplinary Mathematical Science,
Meiji University
- Making Connections in IEEE
Takehiro Sato, Keio University

- In the morning of 2nd day of MAW, Young Professionals / Women In Engineering Session was held as an open session. This session was mainly for the students, young professionals and women engineers. Three presenters shared their own experience, knowledge and visions.



Ms. Yaoko Nakagawa, Hitachi

- Yaoko Nakagawa presented about the Technological Singularity. She explained the capability of the realization of the Technological Singularity. On the other hand, she mentioned that it is worried about the technological unemployment caused by the realization of the Technological Singularity as a social challenge. Finally she emphasized the importance of ICT in order to achieve the new technologies / knowledge by cooperating between human and computer.

- Kohei Ohno introduced how to establish Young Professionals affinity group in Japan and the activities until now. He is the one of the people who established the first affinity group of the Young Professionals (formerly GOLD) in Japan. He showed the benefit and the rewarding experience which we can obtain through the Young Professionals activity. Also he emphasized the importance of the communication with the people who have the different professionals.



Prof. Kohei Ohno, Meiji University



Mr. Takehiro Sato, Keio University

- Takehiro Sato presented how to use the benefit of IEEE as a student member based on his experience. He emphasized the voluntary initiative for IEEE activities. For example, they are not only searching the paper, but also joining the conference, workshop, etc. Also he focused on the importance of the network of personal connection.
- After the presentations, a participant had a question to Yaoko Nakagawa. He asked the importance of the education to the university student when the working style changes along with the highly-developed computer society. Yaoko Nakagawa answered the importance of the creativity and the team work for the university education.

Authorship Workshop Opening Address

MAW sessions were suspended during the Authorship Workshop Opening Address. Most of the MAW attendees left the meeting room for early lunch, and the Authorship workshop attendees, who were waiting in another room, have surged to the meeting room.

George Plosker, Manager, IEEE Client Service, provided the overview of Authorship Workshop. After his talk the Authorship workshop attendees moved to another room for lunch and authorship workshop talk was given by another speaker, Akihiko Sugiyama.



Session 3 4k/8k

Organizer: Atsushi Takahara, NTT

■ Subject/Aim

- In this session, Media technology in future was discussed. 4K/8K is the format of video resolution. and these are the key words for the next generation video technology. Three distinguished speakers form the different technology fields such as broadcasting, networking and equipment.

■ Program

May 16, 13:00~15:00

- 3-1 A New Era of Television Led by 8K Super Hi-Vision
Toru Kuroda, NHK
- 3-2 Concept of Immersive Telepresence “Kirari !”
Katsuhiko Kawazoe, NTT
- 3-3 “Immersive experience”, “Information accessibility”, and “Sense of participation”
Keiichiro Shimada, SONY

- Dr. Toru Kuroda, NHK presented NHK 8K super Hi-Vision technology status and its future plan. They have been developed 8K, broadcasting system which provides 7680x4320, 16 times more resolution than HD TV. They verified and demonstrated this system as the 8K public viewing events of London Olympic Games in 2012 and Brazil World Cup games in 2014. This is the ultimate TV broadcasting system. NHK will start the commercial broadcasting service in 2018.



Dr. Toru Kuroda, NHK

- Dr. Kawazoe presented their new challenges for creating new immersive telepresence system for various kinds of media presentation methods. “Kirari!”the concept system was presented by their promotion video. Their idea is to combine cyber space and physical space to re-create the remote stadium in the theater. In their promotion system, the table tennis game is recreated with the video projected players and the real table in the theater. This gives you the feeling of “you-are-there” at any places.

- Dr. Shimada, SONY gave us another look of using video presentation. He presented his ideal future video environment in one's life. Displays will be available anywhere in future so any things can be visualized or digitized. If your home has video walls, you can get digitized interior and exterior so changing your room and the view through the windows every day. He summarized that three aspects, immersive, easy to access information and organizing community are enhanced by 4K/8K technologies.
- In the discussion session, immersive or reality is good for improving user experience? Brightness is another metric for extending video technologies. Analog technology is still needed in digital era. Home or theatre, which is better to see Opera! How can we get more value when we get 4K TV set? And more topics were discussed. The session was concluded by the messages for younger generation, which are to try, to believe your (younger) feeling, and to have more passion. We had very positive feedbacks from attendees after the session, so this session was great success.



Dr. Toru Kuroda, NHK
Dr. Katsuhiko Kawazoe, NTT
Mr. Keiichiro Shimada, SONY

Session 4 Standardization

Organizer: Hidenobu Harasaki, NEC

■ Subject/Aim

- Session 4 focuses Standardization Activities including Open Source Software development.

■ Program

May 16, 15:30~17:30

- 4-1 Standardization, an alternative exit and carrier path
Mr. Takashi Egawa, NEC Corporation
 - 4-2 Let's aim for Global Experts
IEEE802 (WLAN, WPAN) Standardization Meetings offer Excellent Opportunities
Prof. Shu Kato, Tohoku University
 - 4-3 OSS activities and standardization in networking technologies
Dr. Katsuhiko Shimano, NTT Corporation
- Mr. Egawa presented the overview of standardization and relationship between standardization activities and corporate business strategy.
 - Prof. Kato presented the overview of IEEE 802.11 standardization and his best practice in IEEE 802.15.3c and 4k.
 - Dr. Shimano presented Open Source Software activities toward networking standard.

■ Q&A/Discussion(summary)

- A question from floor was what kind of value will be provided to attendees in standardization and open source software activities.
 - ITU-T will be a good place to establish international coordination. IEEE standardization can be enjoyed to conquer other country and/or other company.
- Another question was raised from floor on important attitudes for standardization attendees.
 - Answers are faithfulness, fairness and not to lie.
- A question was raised on which is the winner between 5G vs. WiFi in the future. Will WiFi die?

- More than 70% of data traffic is currently conveyed by WiFi.
- Another question was how we can utilize coffee break.
 - You can spend coffee break for technical discussion, negotiation, business card collection, talking with non-Japanese attendees.
- A question from floor was raised on university professor's standardization and open source software development.
 - Contributions for standardization community are not counted as technical journal papers. Since open source software development is a kind of research activities, NTT can continue to work on the development while the research team survives.



Mr. Takashi Egawa, NEC



Prof. Shu Kato, Tohoku University



Dr. Katsuhiko Shimano, NTT



IEEE Metro Area Workshop in Tokyo, 2015

Registration · Attendance · Download of Presentation Slides

Metro Area Workshop (May/15-16) Number of Registrations

(※Except for Organizers, Speakers, and Staffs)

Registrations on WEB	87	※Except for 2, who join only for the reception.
On Site	11	
IEEE MGA	9	
No Show	-18	※Comparison with the number of registrations on WEB is about 20%.
Total	89	

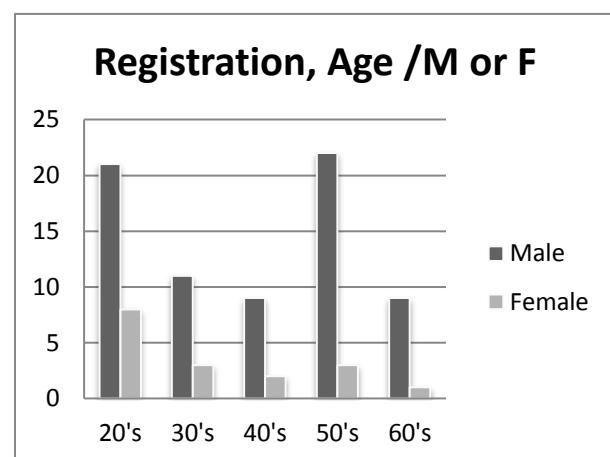
Adult or Student / Member or Nonmember

	IEEE	Non IEEE	Total
Adult	45	33	78
Student / Graduate S.	6	5	11
Total	51	38	89

※"Adult/IEEE" includes 9 SD&EA committee members of MGA

Male or Female / Ages

	20's	30's	40's	50's	60's	Total
Male	21	11	9	22	9	72
Female	8	3	2	3	1	17
Total	29	14	11	25	10	89



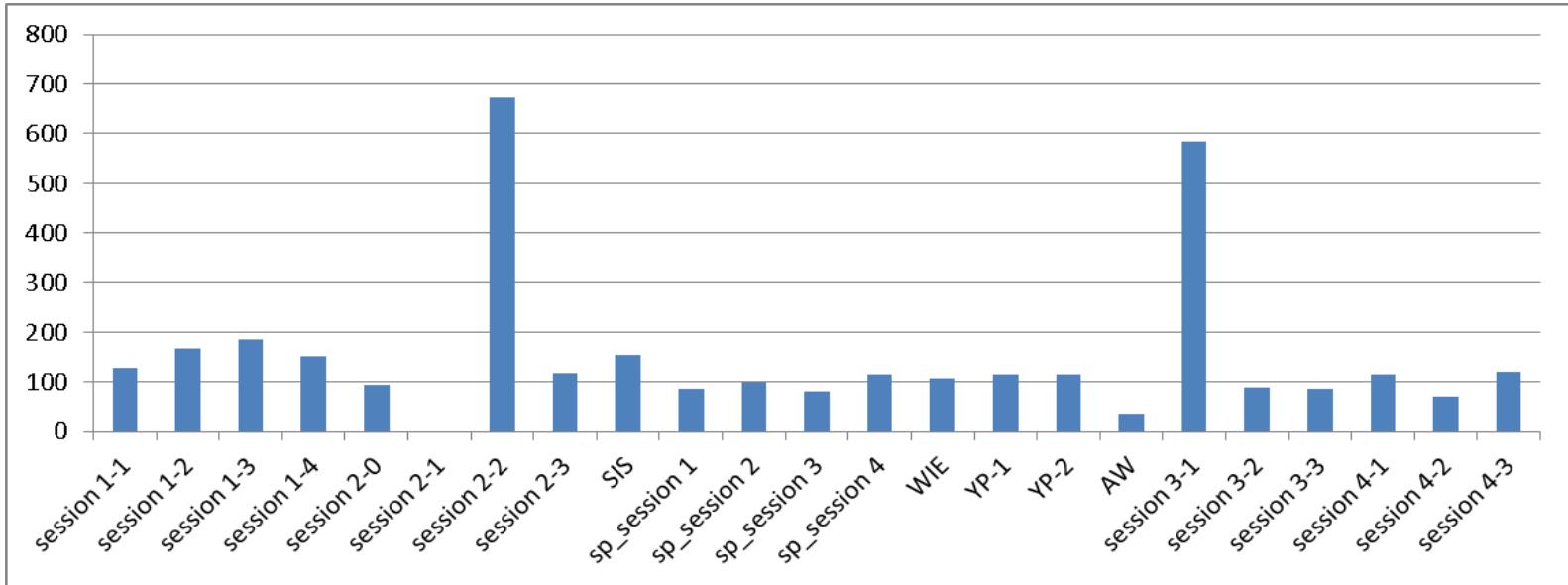
Number of Attendees for each session (including organizers etc.)

May 15	Session 1	IoT	73
	Session 2	Automotive	70
		Special Invited Speech	67
		Special Session	67

May 16		Welcome Address	74
		YP/WIE	114
		Authorship WS	132
	Session 3	4k/8k	40
	Session 4	Standardization	55

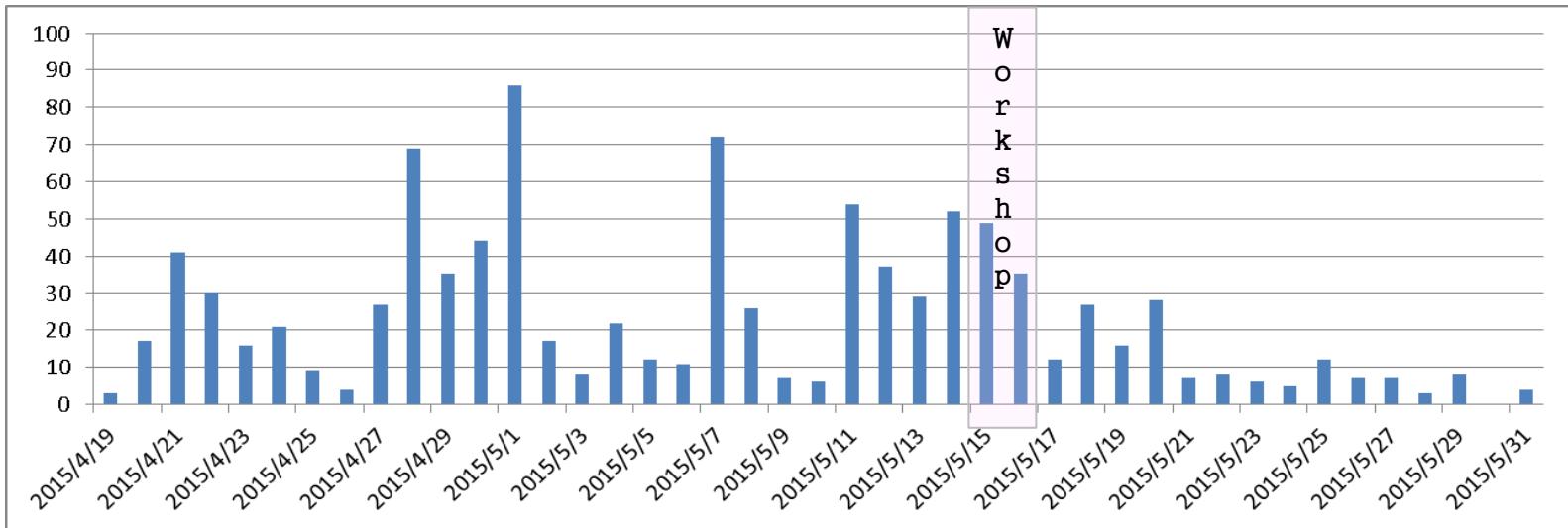
Number of Download of Presentation Slides

Aggregation Period : May 15 (Day 1) ~ May 31

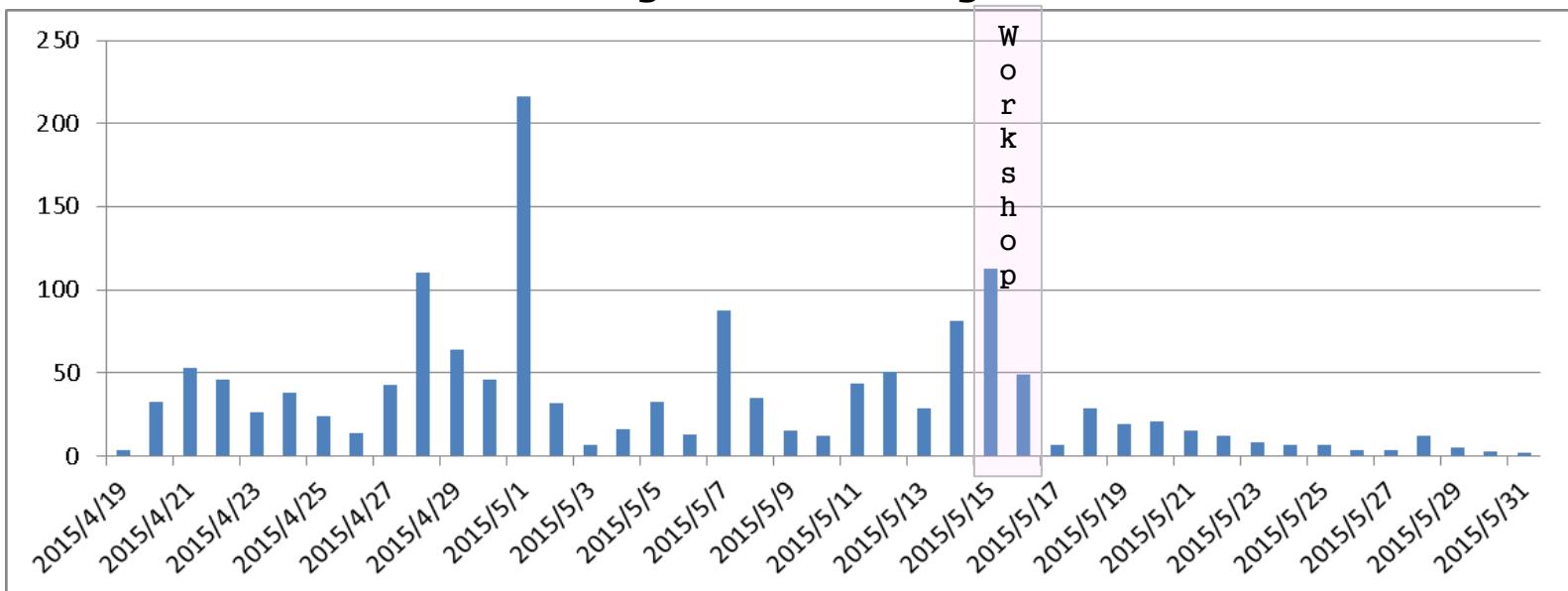


※The presentain slides of Session2-1 are not provided on the website.

<For Reference> Number of Page Views for Registration



<For Reference> Number of Page views for Program



IEEE Metro Area Workshop in Tokyo, 2015 Questionnaire Survey Results

The number of answers of questionnaires (May 15, May 16, one each questionnaire is separated)

	~20's	30's	04's	50's	60's	blank	TOTAL	answer %	Attendees
May 15	15	2	4	15	3	2	41	56%	(※ 73)
May 16	10	0	2	5	1	1	19	35%) 55

Note ※) denominator attendees: May 15 73 (Session 1) 、 May 16 55 (Session4) are used Answer % should be higher, because attendees include the number of organizer, speakers and MGA members, who seldom answered to the questionnaire.

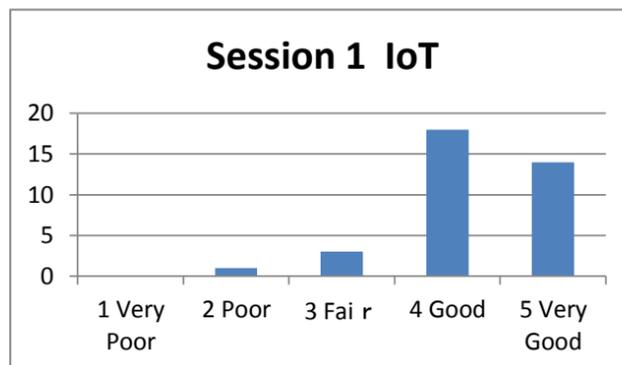
Day 1

「How do you rate the content and the quality of this session?」

Session 1 IoT

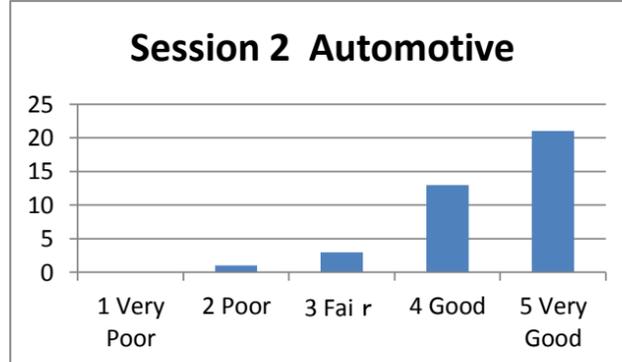
N/A : nonparticipation□

Age	1 Very Poor	2 Poor	3 Fair	4 Good	5 Very Good	0 N/A	TOTAL
20			2	6	5	2	15
30		1				1	2
40				2	2		4
50			1	8	4	2	15
60				1	2		3
blank				1	1		2
TOTAL	0	1	3	18	14	5	41



Session2 Automotive

Age	1 Very Poor	2 Poor	3 Fair	4 Good	5 Very Good	0 N/A	TOTAL
20			2	5	8		15
30		1			1		2
40				2	2		4
50			1	5	6	3	15
60				1	2		3
blank					2		2
TOTAL	0	1	3	13	21	3	41



Special Invited Speech

Age	1 Very Poor	2 Poor	3 Fair	4 Good	5 Very Good	0 N/A	TOTAL
20		2	2	10	1		15
30	1			1			2
40			1	1	2		4
50			2	2	8	3	15
60				1	2		3
blank				1		1	2
TOTAL	1	2	5	16	13	4	41



Special Session

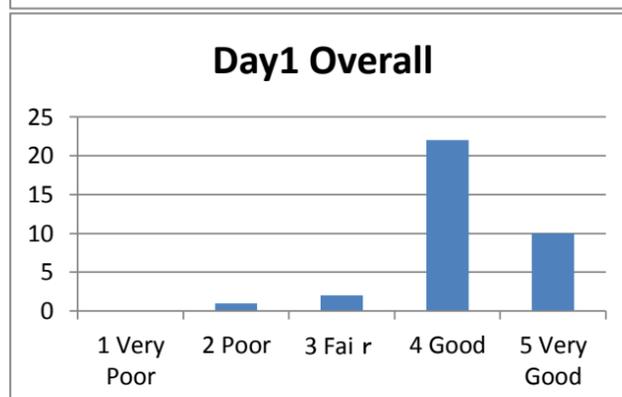
Age	1 Very Poor	2 Poor	3 Fair	4 Good	5 Very Good	0 N/A	TOTAL
20	1	1	2	10	1		15
30				1		1	2
40			1	1	2		4
50			2	8	1	4	15
60					3		3
blank			1			1	2
TOTAL	1	1	6	20	7	6	41



Day 1 Overall

How do you rate the content and the quality of the workshop, Day One?

Age	1 Very Poor	2 Poor	3 Fair	4 Good	5 Very Good	blank	TOTAL
20			2	8	3	2	15
30		1		1			2
40				3		1	4
50				9	3	3	15
60				1	2		3
blank					2		2
TOTAL	0	1	2	22	10	6	41

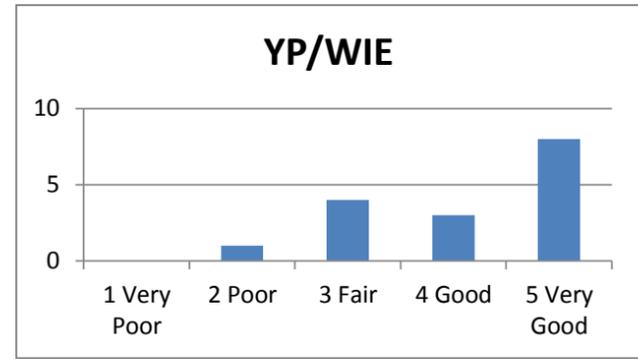


Day 2

「How do you rate the content and the quality of this session?」

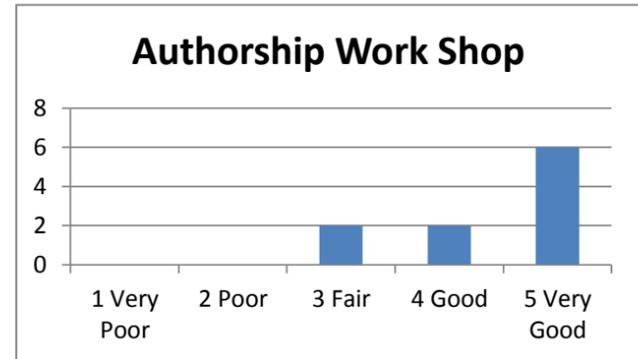
YP/WIE

Age	1 Very Poor	2 Poor	3 Fair	4 Good	5 Very Good	0 N/A	TOTAL
20		1	3	2	2	2	10
30							0
40					2		2
50			1	1	2	1	5
60					1		1
blank					1		1
TOTAL	0	1	4	3	8	3	19



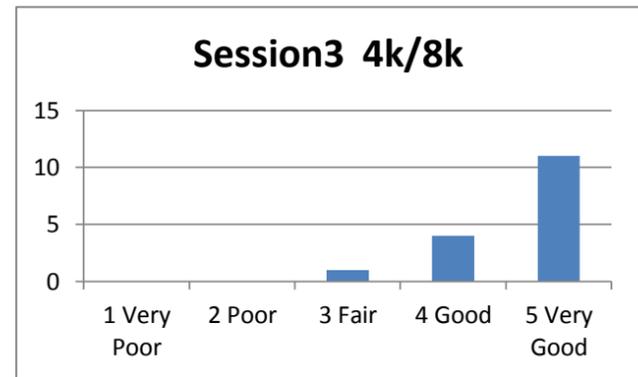
Authorship WS

Age	1 Very Poor	2 Poor	3 Fair	4 Good	5 Very Good	0 N/A	TOTAL
20			2	1	1	6	10
30							0
40				1	1		2
50					2	3	5
60					1		1
blank					1		1
TOTAL	0	0	2	2	6	9	19



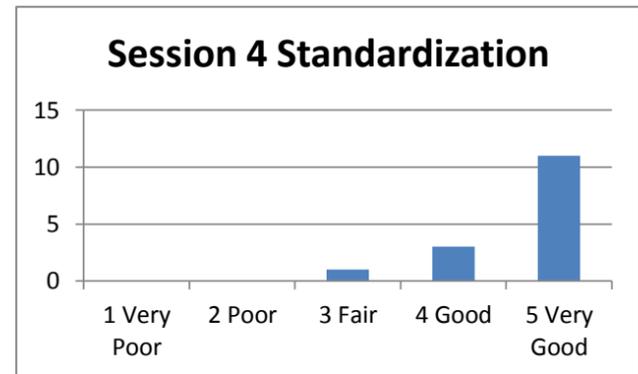
Session 3 4K/8K

Age	1 Very Poor	2 Poor	3 Fair	4 Good	5 Very Good	0 N/A	TOTAL
20			1	3	6		10
30							0
40					1	1	2
50				1	2	2	5
60					1		1
blank					1		1
TOTAL	0	0	1	4	11	3	19



Session 4 Standardization

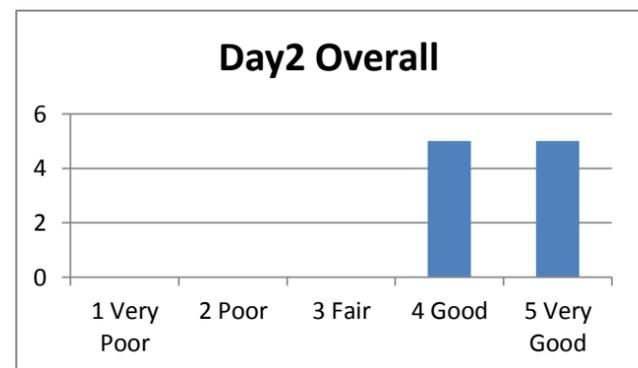
Age	1 Very Poor	2 Poor	3 Fair	4 Good	5 Very Good	0 N/A	TOTAL
20			1	2	5	2	10
30							0
40					2		2
50				1	3	1	5
60					1		1
blank						1	1
TOTAL	0	0	1	3	11	4	19



Day 2 Overall

How do you rate the content and the quality of the workshop Day Two?

Age	1 Very Poor	2 Poor	3 Fair	4 Good	5 Very Good	blank	TOTAL
20				3	2	5	10
30							0
40					1	1	2
50				2		3	5
60					1		1
blank					1		1
TOTAL	0	0	0	5	5	9	19



Q. Will you attend another workshop for professionals like this workshop in future?

Day 1 / May 15

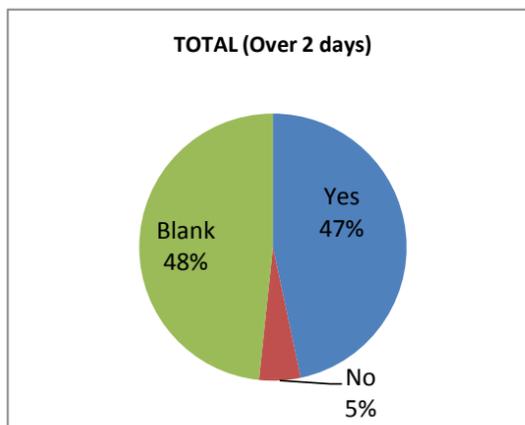
Age	Yes	No	Blank	TOTAL
20	8	2	5	15
30			2	2
40	1		3	4
50	10	1	4	15
60	2		1	3
Blank	1		1	2
TOTAL	22	3	16	41

Day 2 / May 16

Age	Yes	No	Blank	TOTAL
20	2		8	10
30				
40	1		1	2
50	3		2	5
60			1	1
Blank			1	1
TOTAL	6	0	13	19

Total (2 days)

Age	Yes	No	Blank	TOTAL
20	10	2	13	25
30	0	0	2	2
40	2	0	4	6
50	13	1	6	20
60	2	0	2	4
Blank	1	0	2	3
TOTAL	28	3	29	60



Comments

Ages	Member	M/F	Comments
Session 1			
20	Non	Female	(Translated) I learned a lot from this session, because I am new to this area. (Original) IoTについてはあまり知識がなかったのでとても勉強になりました。
20	Non	Male	(Translated) I found the essence of IoT. The workshop was very important place to hear opinions of various view points. (Original) IoTの本質が見えてきたかな、と思った。様々な視点での意見を聞ける場は大事だなと思いました。
40	Non	Male	(Translated) The quality of speaker and his/her speech was very high. Their speech encouraged me. (Original) 講師の質・話の質が非常に高かった。元気になる話が多かった。
40	IEEE	Male	(Translated) I found technical and business viewpoints and some use cases, but also found IoT is not yet implemented as real services. (Original) 技術的な側面、ビジネス的な面、IoTがどのように活用できるかということが良くわかったが、リアルな適用にまだ至っていないということも分かった。
50	Non	Male	(Translated) Prof. Inada's presentation was interesting. I really enjoyed the session. (Original) 稲田先生のお話は特に興味深かった。楽しく聞かせていただいた。
50	Non	Male	(Translated) The session was fruitful, because it covers various aspects of IoT, e.g. innovation, talented person, standardization, trend, needs and a new way of thinking. (Original) イノベーション・人材・標準・動向・ニーズ・今後の方向性(新しい考え方)など多岐に渡っていて良かった。
50	Non	Male	(Translated) I noticed some overwraps in different speakers. It could be better if contents of each speaker should be coordinated in advance. (Original) 内容がかぶってしまいましたね。仕方ない部分だと思いますが可能であれば事前に調整出来れば。。
50	IEEE	Female	(Translated) Prof. Inada's presentation on sustaining innovation was interesting. It will be useful for industries on how to challenge toward an innovation. (Original) IoTがテーマだったが、例えば稲田先生の持続的イノベーションの話はイノベーションが創造できるマネジメントなど企業にとって役立つ話が多かった点が良かった。
50	IEEE	Male	(Translated) I enjoyed IoT talks given at a time with view points of different business areas. (Original) 各分野の視点からのIoTの話が一度に聞けて良かった。
50	IEEE	Male	(Translated) There were a lot of questions from the floor. A panel discussion might be better on this theme. (Original) 質問がかなりあったので、テーマによってパネルディスカッション形式でも良いかもしれない。
50	IEEE	Male	(Translated) I am not the expert on this area. The session was comprehensive in overall with some difficulty where it discussed technical matters. (Original) 私のような門外漢には専門的すぎて分かりづらい部分もあったが、概して理解しやすい内容であった。
50	IEEE	Male	(Translated) Last Fujitsu's presentation was interesting, because the speaker disclosed the company's real motive. (Original) 最後の富士通の発表が本音を聞いて面白かった。
50	IEEE	Male	(Translated) The session could be better, if the speakers include more real business cases. (Original) 実際に取り組まれている事例についてもう少し紹介して頂けると、尚良かったと思います。
60	IEEE	Male	(Translated) Found a complete picture of IoT. (Original) IoTの全体像を見ることができた。

Ages	Member	M/F	Comments
Session2			
20	Non	Female	(Translated) I learned comprehensive overviews of each technology. The session length was appropriate. (Original) 各技術の概要を分かりやすく説明していただき勉強になった。発表時間もちょうど良かった。
20	Non	Male	(Translated) What is a car? I found that it is a good time to rethink what it is. (Original) 車を何と捉えるか、を今一度考えるべきなのだなと思いました。(再定義)
20	Non	Male	(Translated) There is a responsibility problem when an automatic driving car cause an accident. I got curious where they will collect driving a lot of data.I was worried that a car will stop when it starts raining. (Original) 事故の責任問題があるが、大量のデータをどこに集めるのかが気になった。雨が降った時は車が止まってしまうのが気になりました。
20	Non	Male	(Translated) I was surprised that a car is changing from a compilation of driving system to a big consumer electonical appliance. I found this is a reasonable direction if we increase the value of cars. (Original) クルマは駆動系の集大成から大きな家電と変化していく、という事実は意外であったが、クルマの価値を高めていくためには必然的な方向性であるということが明確に示されていて分かりやすかった。
40	n.a.	Male	(Translated) It was useful that I learn technologies of different layered theme. (Original) 異なる階層のテーマに関する技術の話が聞けて有意義であった。
40	Non	Male	(Translated) The panel discussion was interesting. More time could be allocated to the discussion. I am interested in a way of thinking and a mood of actual business people. (Original) パネルは良かった。もっと長い時間でも良かった。現場の考え・気分が伝わってきて良かった。
40	IEEE	Male	(Translated) Denso's presentation whene they try to connect things, i.e. cars, and people. .The panel discussions on automated driving and safety were interesting. (Original) 車というモノと人をつなぐ取組みをしているデンソーさんのプレゼンは面白かった。パネルディスカッションも自動運転と安全性みたいな話ができ良かった。
50	Non	Male	(Translated) I recognized that a car is one of advanced information devices. (Original) 車が高度な情報デバイスであると、改めて認識した。
50	Non	Male	(Transated) Automotive industry has a big influence on many industries. I am interested in its future development and its forecast. (Original) 影響力が大きな”車”産業。今後の展開と予想、興味深かったです。
50	IEEE	Female	(Translated) Mr. Futami's presentation was interesting, because he used video clips that show how an automatic driving adapts itself to environment and he also clarified the problems to be solved on driving in the city area. The presentations by Mr. Abo and Dr. Umeda were also interesting because they showed a lot of examples. (Original) 二見様のプレゼンは自律走行車がどう環境適応してるか？などが実映像で迫力あったし、街区走行に向けての課題などが聞け、有意義であった。安保様、梅田様のプレゼンも実例が豊富で良かった。
50	IEEE	Female	(Translated) The presentation on the advanced technologies were interesting. (Original) 先端技術のお話しで大変興味深かったです。
50	IEEE	Male	(Translated) Mr. Futami's talk was exciting and also useful. (Original) 日産二見さんのお話はとてもエキサイティングで参考になりました。

Ages	Member	M/F	Comments
50	IEEE	Male	(Translated) Mr. Futami's presentation was great. The panel discussion that covers cross sections of three speeches were interested. I found that the problem of automated driving will have some influences of ICT industries. (Original) 日産の講演が素晴らしかった。パネル形式で3つの講演を横断的に議論出来て良かった。車から見た自動化の課題がICTに及ぼす影響が良くわかった。
50	IEEE	Male	(Translated) This sesion stimulated me a lot. (Original) 非常に刺激を受けました。
20	Non	Female	(Translated) I would like to think about automotive solutions. The session was interesting. (Original) 今後自動車関連のソリューションについても考えていきたいと思います。面白かったです。
20	Non	Female	(Translated) I enjoyed interesting talks from other industries. A ralatively ample time has been allocated to the panel session. I also enjoyed listening the panel discussion. (Original) 他業界の興味深い話が聞けて楽しかった。パネルディスカッションでも質疑応答の時間がたっぷりあって聞いているだけで楽しかった。
Special Invited Speech			
20	Non	Male	(Translated) In my humble opinon, education is the most important for innovation. (Original) 私個人としてはイノベーションには”教育”が大事なんじゃないかな、と思います。
20	Non	Male	(Translated) Since the profit of companies is descreasing, research environment of industries is going worse. The companies should not let young researchers act as research managers, but rather let them concentrate researches. (Original) 企業の収益が下がっていることもあり、研究環境が悪化していると思う。Managementを若手研究者に押し付ける傾向にある現状を改善してほしい。
20	Non	Male	(Translated) In Japan, we have a lot of R&D activities, but many of them do not succeed in business. Found that the Government tries to foster business success based on technology research. Will the Government help researches according to a new framework, or will it take a lead of researches? (Original) 日本特有の構造である研究開発は活発だが事業化がなされない、ということについて政府として事業化を後押しするような動きを注入することによって解決を図ろうとしているということが良くわかった。研究を形にする手助けか、音頭をとるか？
40	Non	Male	(Translated) The presentation slides written in English is good. I can say a bright future will comm in Japan . (Original) 英語プレゼン資料は良かった。日本の将来に期待できると思った。
40	IEEE	Male	(Translated) It might be better if Dr. Kyuma could explain why it is difficult to innovate in Japan. (Original) もう少しなぜ日本のイノベーションを起こすことが難しいのかを説明していただくとより良くなると思った。
50	IEEE	Female	(Translated) This is a rare opportunity to listen to Dr. Kyuma's presentation. It was good to hear the motivation behind creating SIP/ImPACT research fostering systems. (Original) CSTI委員の方の話が直接聞けるのは貴重な機会です、SIP/InPACTなどの制度をどうして考えたかなど背景が聞けてよかったです。
50	IEEE	Female	(Translated) I learned which way the Government guides, and the aim. (Original) 国のこれからの進め方、狙いが良くわかり、勉強になりました。
50	IEEE	Male	(Translated) I really learned a lot. (Original) 非常に参考になりました。
50	IEEE	Male	(Translated) I enjoyed the valuable speeches.. (Original) 貴重な講演を聞いた。

Ages	Member	M/F	Comments
50	IEEE	Male	(Translated) I learned a lot on the Government policy toward innovations. (Original) 我が国のイノベーション政策について良く理解でき大変良かった。
50	IEEE	Male	(Translated) It was a good introduction of the Government innovation policy as a whole. It might be good if he prepare a list of problems and challenges in future. (Original) 全体を見ることができて非常に良いIntroductionだった。今後の課題 Challengeのサマリがあると良かったかも。
Special Session			
20	Non	Male	(Translated) The number of memberships may increase if IEEE Xplore corporate accounts are no longer available. (Original) 課金制にすれば、会員数は増えるのではないのでしょうか。
20	Non	Male	(Translated) IEEE member fee is expensive. The fee could be reduced if the Government sponsorship is introduced. The fees are payed by ourselves, in my company. (Original) IEEEの費用は高いを思っている。それこそ国からの補助を使ってでも費用を安くしてほしい。弊社では自費で払うこともある。
20	Non	Male	(Translated) I thought IEEEi is an institue that has a lot of technical papers, but I found IEEE have strong connections with industries. (Original) IEEEに対しては論文を大量に保有している学会であるという認識しか持っていなかったが、実際には産業と強い結びつきがあり、単なる論文投稿の場ではないということに認識するに至った。
40	Non	Male	(Translated) I enjoyed this session, because it has relatively long Q&A timeslot. If one was not a member of IEEE in student ages, the one cannot be a member after joining a company. (Original) とても面白かった。特に質問タイムが長くて良かった。学生で接点がないと会社に入ってもっと接点が無いのは考えても良いのでは、レビュー(以下不明)
40	IEEE	Male	(Translated) I enjoyed this session, because there are many IEEE views individually. (Original) IEEEの位置付けが人によって様々で面白かった。
50	Non	Male	(Translated) IEEE local sections should be more active, since this kind of workshop is not yet known in industries. (Original) 日本の活動が企業の中ではまだ十分知られていないので今後の活動に期待します。
50	IEEE	Female	(Translated) All speakers exceeded their allocated timeslots 10 minutes per person. I observed their passion to speak. To explore unmet needs of working engineers, IEEE can ask a question who could not renew membership. Dr. Nishimiya's speech was impressive. (Original) 10分1人にしては皆さん話が長かった。熱意は認めるが・・・。Working Engineersに対しての、Unmet Needsについては、契約継続しなかった人に止めた理由を聞くなどすべきでは。西宮さんの話は斬新でした。
50	IEEE	Female	(Translated) I enjoyed this sesion because there were a lot of Q&As and very active. (Original) 会場からの質問コメントも多く、活発なセッションとなり良かったと思いました。
50	IEEE	Male	(Translated) Since the objective of the workshop was targetted to young professionals, speeches should include a lot of comprehensive apeals of IEEE. Dr. Nishimiya's presentation, on behalf of young professionals, was very good. (Original) 若い人向けの企画なので、IEEEの魅力などについてもっと分かりやすく説明があると良かった。最後の西宮さんのような若い人の発表が良かった。
50	IEEE	Male	(Translated) I learned it is an industry-wide problem how the engineers keep their membership to technical societies, e.g. IEEE. (Original) 学会離れ、特に企業、をどのようにして抑制していくのかは産業界全体の問題であると認識された。

Ages	Member	M/F	Comments
50	IEEE	Male	(Translated) It might be narrow down the discussion topics. (Original) もう少し絞っても良いかも。
50	IEEE	Male	(Translated) This session is not interested in who are not familiar with IEEE MGA mission and operations. (Original) IEEEの組織そのものにはあまり興味が無い人には不向きなSessionだと思います。
60	IEEE	Male	(Translated) I enjoyed this session because I learned a lot on IEEE internal structure. I am worrying the corporate confidential information might be leaked, if many working engineers are active in IEEE. (Original) IEEEの内情が分かり面白かった。しかしIEEEで活動すると企業の秘密が漏れるのではないか。
Day1 Overall			
20	Non	Male	(Translated) I really enjoyed first day sessions of the workshop. (Original) 大変面白かったです。
20	Non	Male	(Translated) Please provide some hint materials to consider future trend, because this workshop aims to encourage young engineers. The material may be okay if it is biased. The workshop will provide a great value if we can discuss future vision. (Original) 若手研究者を支援するイベントなので次のトレンドを考える材料を提供して頂きたい。偏った情報でも良いので、将来ビジョンを議論できるとより良いものになると思った。
20	Non	Male	(Translated) I enjoyed the first day of the workshop. (Original) 楽しかった。
30	Non	Male	(Translated) I would like to hear the speeches by young active engineers not by senior. For example, a disruptive service has been created. We need to change the regulation, to scale it up. We need more money in that sense, we can reply on seniors. This kind of speech will encourage both young engineers and also seniors. (Original) おじさんの偉そうな話より、元気な若者の話を聞きたい。こんな破壊的なサービスを作ってみた。スケールするにはこの規制をクリアしないといけない。お金が必要だからおじさんの力が必要。そんな話を聞いたらおじさんも若手研究者も刺激を受けると思う。
40	IEEE	Male	(Translated) Presentation slides could be written in English, while the workshop working language is Japanese. (Original) 母国語をベースということでしたが、講演資料は英語にしてはどうか、と思った。
50	IEEE	Female	(Translated) I learned there is IEEE MGA activities, besides technology societies, and also learned we can join WIE with US\$25 fees extra. (Original) IEEEのSociety以外の活動があること、"WIE"などには\$25の会費払えば女性なら入れることなども知らなかったので出席してよかった。
50	IEEE	Female	(Translated) The objective of the workshop is good. It is interesting and also very helpful. Thank you. (Original) 狙いも良く、興味深く勉強になるワークショップでした。ありがとうございました。
50	IEEE	Male	(Translated) In spite of the first workshop in Japan, it was a great success. We can increase the number of attendees year by year, by promoting to industries. (Original) 今回は第1回目であったが、大成功であったと感じた。徐々に認知度を高め参加者数を増やしていければ良いと思う。
60	IEEE	Male	(Translated) Good themes are selected. The workshop was successful, because there are many questions raised by young engineers. (Original) 良いテーマであったと思います。若手も積極的に発言しており良かったと思います。

Ages	Member	M/F	Comments
YP/WIE			
20	blank	Female	(Translated) There were some overwraps on contents of the speeches. The number of the speaker could be decreased. (Original) 内容が似ていて、話者を減らしても良いと思った。
20	Non	Male	(Translated) I was intested in Ms. Nakagawa's presentation, but not the other presentations. (Original) 中川さんの話は興味深かったが、他のお話しはあまり興味が湧かなかった。
40	Non	Male	(Translated) The talk on singularity was interesting. Outlooking for the future is widely interested by audiences. (Original) シンギュラリティの話がとても面白かった。未来見通しはうける。
40	IEEE	Male	(Translated) I enjoyed the interesting presentation. (Original) 面白いプレゼンテーションを見せてもらえました。
50	IEEE	Female	(Translated) Prof. Ohno taught me that the startup and current activities of "YP". (Original) 大野先生のご発表は"YP"設立背景や実際の活動が分かった。
50	IEEE	Male	(Translated) This is a comment to Prof. Ohno: In technical committee conferences in IEICE, there were discussion with student and young researchers many years ago. But these days, attendees and contributions from industries are relatively low. This is a problem. (Original) 大野先生へのコメント: 古くの信学会の研究会では、学生・社会人の議論ができたように思います。現在、研究会学会への企業からのContributeが少ないことも問題ではと思いました。
50	IEEE	Male	(Translated) This session may initiate young engineers to join IEEE. (Original) 若い人がIEEEに加入しようと思うきっかけになったと思う。
Authorship WS			
40	Non	Male	(Translated) Hearing a native English speech is a good opportunity for the people who do not attend international meetings and conferences. (Original) 外国の方のスピーチは会合や国際学会に行かない人には良い機会だと思います。
40	IEEE	Male	(Translated) I could not understand a part of the speech because of my poor English ability. It was good to know what level of my English ability. (Original) 私の語学力が不足で分からなかったことがありました。そのことを認識できてよかったです。
50	IEEE	Female	(Translated) The speech made me attend the Authorship Workshop in the afternoon. (Original) PMのAuthorship WSに出る気になった。
50	IEEE	Male	(Translated) The speech was well prepared, so it was valuable for the beginners. (Original) ポイントが良くまとめられており、入門者にとっては良かったのではないかと思います。

Ages	Member	M/F	Comments
Session3 4k/8k			
20	blank	Male	(Translated) I attended this session only. I learned a lot through this session. (Original) このセッションのみ参加しましたが非常に勉強になりました。
20	blank	Female	(Translated) The session was good because there were a video demo and a dedicated equipment presentation. (Original) デモ映像や具体的な器材が見られて分かりやすかった。
20	Non	Male	(Translated) The talk of 8k video was interesting, because we have a dream of that. (Original) 8kの話題は夢があって面白かったです。
20	Non	Female	(Translated) The room temperature was cold, but the session was quite good! (Original) 空調強すぎて寒かったですが、全体としてはとてもいいと思います。
50	IEEE	Male	(Translated) This was a good session that we can have a dream for future. (Original) 将来の映像に期待が持てるセッションであった。
Session4 Standardization			
20	Non	Female	(Translated) The session was quite interesting. According to the speaker's advice, I will frequently go out of my office and see a lot of thing what I don't know. (Original) とても面白い内容でした。先生の【自分の会社にとどまらずに外にも行っていろいろ見てみる】ことをこれから心掛けたいと思います。
20	Non	Male	(Translated) The session was quite fruitfull, because I am working for standardization. (Original) 個人の業務と関連が深かったのでとても参考になった。
40	Non	Male	(Translated) The session was quite interesting, because the speakers expressed their views definitely. (Original) はっきりした考えの人が多く良かった。
40	IEEE	Male	(Translated) Three speeches make me understand what are the logic of standardization. (Original) 標準化のロジックが分かった気になる3つの講演でした。
50	IEEE	Female	(Translated) Prof. Kato's speech was quite valualble, because he lead an actual standardization. (Original) 実際に標準化活動をリードしたご経験のある加藤先生のお話しは貴重でした。
50	IEEE	Male	(Translated) The session was quite interesting. (Original) 非常に面白かったです。

Ages	Member	M/F	Comments
Day2 Overall			
20	Non	Male	(Translated) I enjoyed the day 2 because there were a lot of good speeches of high position. (Original) とても偉い方々のお話が聞けて良かったです。
40	Non	Male	(Translated) The panel session was quite good. (Original) パネルディスカッションが良かった。
40	IEEE	Male	(Translated) I would like to pass the presentation slides to my colleagues.Thank you. I should attend the IEEE workshop earlier. This was my first IEEE workshop. (Original) 今回のプレゼン資料をあとで見ることができるなら、会社の若者に見せたいと思うイベントでした。ありがとうございます。IEEEのイベントに初参加でした。もっと早く参加すれば良かったと思いました。
50	IEEE	Male	Good program overall. Well integrated Ieee Technical & Volunteer programs. Thanks for Ieee hospitality.
50	IEEE	Female	(Translated) I stopped the renew of my IEEE membership. I would like to renew my membership to attend this kind of Metro Area Workshop. (Original) IEEEを一度辞めてしまっていたが、今回(MAW)のような活動あることを知り再び会員になろうと思いました。
60	blank	Male	(Translated) The sessions were very active because many young engineer attended and they raised a lot of questions from floor. (Original) 若い人の発言・参加があり良かった。