

AIAA TCCS 会議にテレコンで出席して

NICT/JFSC 飯田尚志

AIAA の TCCS (Technical Committee on Communications System)会議が、2009 年 1 月 5 日午前 9:00(米東部標準時)から、フロリダ州オーランドの Marriott World Center で開催された。今回、我が国からは出張者がいなかったため、テレコンで出席することとし、情報通信研究機構 (NICT) の私の部屋に福地一、鈴木良昭、門脇直人の各委員と私が 1 月 5 日の午後 11 時(日本標準時)に集合し、テレコンで参加した。電話を掛け、指定の pass code を入力することによりトラブルもなく会議に入ることができた。NICT の部屋に集まったのは、個人でテレコンで参加するよりも情報交換が容易であるためより充実した会議となると思われたからである。

TCCS は、Klein-Lebbink 委員長、Sakarya 書記、Butash 委員、Elizondo 委員、Osborn 委員はじめテレコン参加の Curtin 委員、Pelton 委員、Smith 委員が参加し、我が国からは上記 4 委員が参加した。議事を右表に示す。2.A.a 項の ICSSC-2009 については Butash 委員から説明があった。同会議は 2009 年 6 月 1 ~ 4 日に英国エジンバラで開催される予定で、アブストラクトの締め切りが 1 月 12 日と設定されていたが、集まりが悪いので、2 週間程度締め切りを延期することが話し合われた(実際、締め切りは 1 月 26 日設定された)。

2.A.b 項の ICSSC-2010 については、委員長を誰にするか具体的名前を挙げて議論になったが、幹事会社がどこになるかによって決められるものであるもので、議論だけに終わった。また、例年行っているように他の委員会と共催にすることも議論された。

2.A.c 項の ICSSC-2011 については、福地委員から文末に示した資料の p.6 を使って説明をした。ここで、Butash 委員及び Klein-Lebbink 委員長から、ICSSC-2011 についてオーストラリアの観光旅行省が興味を持っている旨の話があった。日本側としては初めて聞く話であるので、後日日本側の実行委員長である福地委員に Klein-Lebbink 委員長から e-mail で詳しい連絡してもらおうこととした。2.C 項の Japan Forum の活動については私から文末の資料を使って説明をした。2.E 項の Awards については Smith 委員から報告があったが、3名の候補者の中から 1 名を AIAA に提案するとのことであった。その他、特に、問題となるような事項はなく、午前 10:30 (米東部標準時)に終了した。日本時間では午前 00:30 であり、まだ、終電車にはぎりぎりではあるが間に合う時刻であったので、幸いであった。

Agenda Item

1. Introductions, approval of minutes
2. TCCS Subcommittee Reports
 - A. Conference Subcommittees
 - a. ICSSC-2009
 - b. ICSSC-2010
 - c. ICSSC-2011
 - B. Steering
 - C. Japan Forum
 - D. Web Committee
 - E. Awards
 - F. ICSSC Steering Committee
3. Treasurers Report
4. TCCS Any Other Business
5. Next Meeting
6. Adjourn

TCCS 配付資料：AIAA-JFSC 2008 年の活動



Activities of AIAA Japan Forum on Satellite Communications (JFSC) in 2008

Takashi Iida, JFSC/NICT
AIAA-TCCS Meeting in Orlando, FL
January 5, 2009



JFSC Activities in 2008

- JFSC Chair (5th Chair of JFSC)
 - Dr. Yasushi Horikawa, Executive Director of JAXA.
- SPACE JAPAN REVIEW, Bulletin of JFSC, is still published in both Japanese & English.
- The Editorial Committees were held every month in 2008.
- May 8, 2008
 - Annual General Meeting of JFSC
- November 6-7, 2008
 - JC-SAT2008 (2008 Joint Conference on Satellite Communications) held in Busan, Korea in cooperation of IEICE, KOSST** with support of JFSC
- November 24-26, 2008
 - WSANE2008 (Workshop for Space, Aeronautical and Navigational Electronics) held in Qingdao, China in cooperation with IEICE* and JFSC

*Institute of Electronics, Information and Communication Engineers, Japan
**Korea Society of Space Technology, Korea

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Organization of JFSC and Editorial Committee of JFSC (as of May 2008)

- Organization**
 - Chair
 - Y. Horikawa, JAXA
 - Vice-Chair
 - S. Isozaki, JSAT
 - K. Nagai, NHK
 - H. Nagai, SCC
 - Chair Administrator
 - H. Fukuchi, Tokyo Met. Univ.
 - Vice-Chair Administrator
 - H. Kohata, JAXA
 - Chair Finance
 - N. Hamamoto, NICT
 - Chair Exhibit
 - Y. Horikawa, JAXA
 - Chair Membership
 - T. Takahashi, NICT
 - Chair International
 - Y. Suzuki, NEC
 - Chair Award
 - K. Imai, B-SAT
 - Auditor
 - Y. Iizuka, JSAT
- Editorial Committee**
 - Chair
 - H. Wakana, NICT
 - Special Advisor
 - T. Ueda, retired MELCO
 - S. Kitazume, JEPICO
 - Y. Suzuki, NEC
 - H. Shinonaga, KDDI Lab.
 - Members
 - T. Iida, NICT
 - T. Nishimiya, KDDI Engineering & Consulting
 - M. Obuchi, JEPICO
 - T. Shigaki, Fujitsu Ltd.
 - T. Oishi, NT-Space

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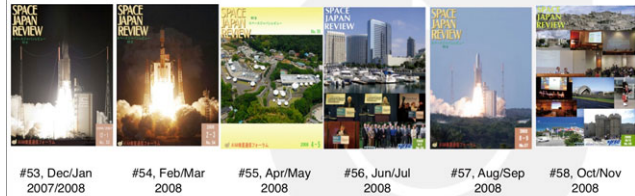


Space Japan Review (SJR) Dec. 2007 - Nov. 2008

Space Japan Review on WEB

URL <http://satcom.nict.go.jp>

Number of Total Accesses: 35502 as of Dec. 11, 2008



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Example of Recent Articles in Space Japan Review

- #53, Dec/Jan 2007/2008**
 - In Memory of Dr. Tadashi Sekimoto, the First Chair of JFSC
 - Takashi Iida
 - Report: TRENDS IN SATELLITE BROADCASTING
 - Yoshihito Hattori, Director Acting Senior Executive Engineer, Planning Division, Broadcasting Satellite System Corporation (B-SAT)
- #54, Feb/Mar 2008**
 - Executive Comments 1: For Further Expansion of Satellite Communications
 - Naoki Okano, Director, Space Communications Policy Division, Ministry of Internal Affairs and Communications
 - Executive Comments 2: A Perspective on Space Exploration: Looking Back and Forward
 - Rick Houston, Jacobs ESTS Group
 - Special Report: Disaster-Prevention Administrative Satellite Communication System - Local Authorities Satellite Communications Network*
 - Chiharu Ohuchi, General manager and Yasuzumi Izumi, Associate general manager
 - Topics From Within: Attending AIAA TCCS, IAC, IAC-DI Meeting and 46th Aerospace Sciences Meeting
 - Takashi Iida, NICT/JFSC
- #55, Apr/May 2008**
 - Executive Comments: The Growth of Orbital Sciences and the Market for Small GEO Satellites
 - Naoki Okano, Christopher W. Richmond Senior, Vice President, Orbital Sciences Global Communications
 - Interview with CEO: Mr. Masanori Akiyama, Chairman and Representative Director SKY Perfect JSAT Corporation
 - Topics From Within: Report on 2008 JFSC Annual General Meeting
 - Yoshiaki Suzuki
- #56, Jun/Jul 2008**
 - Remembering Arthur C. Clarke-Renaissance Man
 - Joseph N. Pelton, Professor, The George Washington University
 - Topics from within: Report on AIAA 26th ICSSC2008 & TCCS
 - T. Iida and Y. Suzuki, Special Advisor, SJR Editorial Committee
 - Contribution: Present of Satellite Communications in the U.S.A. and Canada
 - Takashi Iida, NICT
 - Reprint of articles of Aerospace America translated into Japanese with the permission of Aerospace America for Japanese version only
 - James W. Canon: "Timing in battle: The T-Sat edge"
 - J.R. Wilson: "Faster communications for a broader battlefield"
 - C.F. Hoerber: "The Year in Review - Communications"

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Preparation for the 29th ICSSC 2011

- Draft Plan of ICSSC2011 (in the midst of negotiation)
- Date : Around May or June 2011
- Venue: around Tokyo Metropolitan Area, Japan
- Organizing Committee
 - General Chair: Dr. H. Miyahara (President, NICT)
 - Administration Chair: Prof. H. Fukuchi (Tokyo Met. Univ.)
 - Technical Committee: Dr. H. Shinonaga (KDDI), et al.
 - Finance Committee: Mr. Y. Suzuki (NEC), et al.
 - Colloquium Committee: Mr. N. Kadowaki (NICT), et al.
 - Advisor: Mr. T. Ueda (ret MELCO), Dr. S. Kitazume (JEPICO), Dr. T. Iida (NICT), et al.

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JFSC Provides Many Opportunities

- To Issue Space Japan Review
- To Discuss on Nomination for Various Kind of Awards
- To Discuss on Japanese Space Policy
- To Coordinate With Other Organization, such as APSCC, IEICE and SSPI Japan*
 - ICSSC2007 in cooperation with APSCC
 - JC-SAT2008 held in Busan, Korea, JC-SAT2007 in Okinawa, Japan, JC-SAT2005 in Nagoya, Japan
 - WSANE2008 held in Qingdao, China, WSANE2007 in Perth, Australia
- To Encourage Retired Persons to Work Together
- To Host Financial Support for Award Luncheon of AIAA-ICSSC2007
- To Support Preparation for ICSSC2011

*Society of Satellite Professional International Japan

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Recent Topics of Japanese Space Development

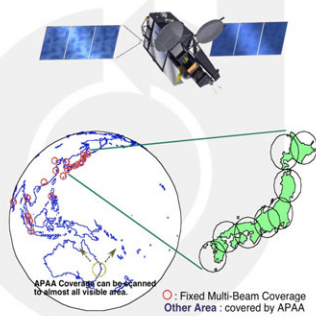
- WINDS (Wideband InterNetworking engineering test and Demonstration Satellite) Project
- Space Basic Law

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WINDS (Wideband Internetworking Engineering Test and Demonstration Satellite)

Broadband Satellite Communication Technology

- Original proposal: 1992
- Gigabit satellite start: 1996
- WINDS project start: 2001
- Successful launch: February 23, 2008



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Space Basic Law

- Japanese Space Development had been limited to only for the peaceful purpose which means "Non-military".
 - This was based on a resolution of House of Representatives plenary session in 1969.
- The Space Basic Law passed the Japanese Diet and was concluded on May 21, 2008
- Major purposes of the Space Basic Law
 - The peaceful use of space means "non-aggression" instead of "non-military", in accordance with the Space Treaty.
 - Reinforcement of technical power and competition in the international market of a space industry
 - To facilitate information and communication network using satellite for improvement of life of the people
- Preparation Office for Establishing Space Development Strategy Headquarters was established on August 27, 2008.
 - To establish "Space Basics Plan"
 - Expect to be May 2009

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WINDS: SDR-VSAT



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Super high Data Rate - VSAT