# Topies From Within

# Report of Attending at AIAA TCCS Meeting with Telecon

Takashi lida, NICT/JFSC

The AIAA TCCS (Technical Committee on Communications System) meeting was held at Marriott World Center located in Orlando, Florida at 9:00 a.m. EST on January 5, 2009. Since there was no person of business trip to the U.S. from Japan, we decided to attend this meeting with telecon this time. The Japanese TCCS members of Hajime Fukuchi, Yoshiaki Suzuki, Naoto Kadowaki and I gathered in my office room at the National Institute of Information and Communications Technology (NICT) at 11:00 p.m. JST (Japan Standard Time) on January 5 and participated with telecon. We called telephone and were able to enter the meeting without any trouble by inputting designated pass code. The reason why we gathered at a room of NICT is to have the substantial meeting by making information

exchange each other easier among Japanese participants than participating individually.

Ms. Klein-Lebbink, Chairperson, Dr. Sakarya, Secretary, Dr. Butash, Mr. Elizondo and Mr. Osborn participated. Dr. Curtin, Dr. Pelton and Dr. Smith attended with telecon. In addtion, our four members participated from Japan. The right chart shows an agenda of the meeting. Dr. Butash explained about ICSSC-2009 of the item 2.A.a. The conference is going to be held in Edinburgh, Scotland on June 1-4, 2009. Its deadline of submission of abstract was set on January 12, 2009. But the number of applications is insufficient, so it was discussed that the deadline should be postponed for around 2 weeks (actually, the deadline was set January 26, 2009).

### 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

As for the ICSSC-2010 of the item 2.A.b, whom a chairperson of the conference should be assumed was argued citing the concrete name of persons. But it ended in only for an argument because the chairperson depends usually on the main sponsoring company. In addition, it was argued about co-sponsorship with other committee as usual conference.

Prof. Fukuchi explained the preparation status of ICSSC-2011 of the item 2.A.c by using page 6 of the handout document shown in the end of this article. Concerning the conference, Dr. Butash and Ms. Klein-Lebbink, Chairperson, talked about that Australian Department of Tourism is interested in ICSSC-2011. Since it was a story that we have heard for the first time, the detailed information will be e-mailed from Ms. Klein-Lebbink to Prof. Fukuchi later. As for the item 2.C I explained the activity of Japan Forum by using a handout document attached in the end of this article. Dr. Smith reported about award of the item 2.E and suggested that a person will be proposed from 3 candidates to AIAA headquarters. There was not any special issue for the other items. The meeting was adjourned at 10:30 a.m. EST. This time is 00:30 a.m. JST. It was happy because it was the time to be in time for the almost last train to return to home.

# Handout at TCCS: Report on Activities of AIAA-JFSC in 2008



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

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



#### JFSC Activities in 2008

- JFSC Chair (5th Chair of JFSC)
- SPACE JAPAN REVIEW, Bulletin of JFSC, is still published in both
- 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



## Organization of JFSC and Editorial Committee of JFSC

- Organization

  Chair

  Y.Horikawa, JAXA

  Vice-Chair

  S.Isozaki, JSAT

  K.Nagai, NHK

  H.Nagai, SCC

  Chair Administrater

  - H.Fukuchi, Tokyo Met.
    Univ.
- Vice-Chair Administrator

   H.Kohata, JAXA

- H.Kohata, JAAA
  Chair Finance
   N.Hamamoto, NICT
  Chair Exhibit
   Y.Horikawa, JAXA
  Chair Membership
   T.Takahashi, NICT
  Chair International
   Y.Suzuki, NEC
  Chair Award

- Chair Award
   K.Imai, B-SAT
- Auditor
   Y.lizuka, JSAT

- Editorial Committee
  - H.Wakana, NICT

  - H.Wakana, Nici
     Special Advisor
     T.Ueda, retired MELCO
     S.Kitazume, JEPICO
     Y.Suzuki, NEC
     H.Shinonaga, KDDI
    - Lab
  - T.lida, NICT

    Members
     T.Nishimiya, KDDI
    - I.NISNIMIYA, KDDI Engineering & Consulting
       T.Obuchi, JEPICO
       M.Shigaki, Fujitsu Ltd.
       T.Oishi, NT-Space



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

URL http://satcom Number of Total Accesses: 35502 as of Dec. 11, 2008











#### Example of Recent Articles in Space Japan Review

- #53, Dec/Jan 2007/2008
  In Memory of Dr. Tadahiro Sekimoto, the First Chair of JFSC
  Takashi lida
  Report: TREMDS 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 Nook Okano, Director, Space Nook Okano, Director, Space Internal Affairs and Communications Executive Comments 2: A Perspective on Space Exploration: Looking Back and Forward

- Chilharu Ohuchi, General manager and Yasuzumi Izumi, Associate general manage Topics From Within: Attending AIAA TCCS, IAC, IAC-DI Meeting and 46th Aerospace Sciences Meeting
   Takashi lida, NiCT/JFSC

- #55, Apr/May 2008
  - titive Comments: The Growth of Orbital ces and the Market for Small GEO Satellites Naoki Okano, Christopher W. Richmond Senior, Vice President, Orbital Sciences Global Communications
  - 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

  - Geheral 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. Ilda and Y. Suzuki, Special Advisor, SJR Editorial
    Committee
- T. lida and Y. Suzuki, Special Advisor, SJR Editorial Committee

  Contribution: Present of Satellite Communications in the U.S.A. and Canada

   Takashi kida, NiCr

  -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"

  JR. Willigen: "Faster communications for a broader by the Communications of a broader by the Communications of the CF. Hoeber: "The Year in Review -Communications" 5



#### 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. lida (NICT), et al.

GAIAA.

# 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 Qindao, 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



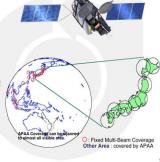
## Recent Topics of Japanese Space Development

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

# GAIAA.

# 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





# 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 1969.
- 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.
- Strategy Headquarters was established on August 27, 2008.
  - To establish "Space Basics Plan"Expect to be May 2009

