



会場の Grand Sierra Resort
(前リノ・ヒルトン・ホテル)



Associate Fellow Dinner
での授与式風景

AIAA TCCS, IAC, IAC-DI Meeting および 46th Aerospace Sciences Meeting に出席して

NICT/JFSC 飯田尚志

AIAA の TCCS (Technical Committee on Communications System) 会議, IAC (International Activities Committee) 会議, AIAA Board of Directors 会議, 関連する Director-International Task Force 打ち合わせ, および 46th Aerospace Sciences Meeting が 2008 年 1 月 7 日 (月) から 11 日 (金) にかけて, ネバダ州リノ市の Grand Sierra Resort (前 Reno Hilton Hotel) で開催された。リノは到着したときは積雪が 20-30cm くらいと思われたが, 滞在した週は良い天気が続いた (ただ, 一週間ホテル内で過ごしたので外のことはよく分からなかったのが実感である)。

TCCS は 1 月 7 日午前 9 時から午後 2 時過ぎにかけて開催され, Houston 委員長, Elizabeth Klein-Lebbink 書記をはじめ私を含めて 10 名が出席し, 同時に電話会議に数名が参加した。議事を右表に示す。今回は 2008 年 6 月 9 日から 12 日までサンディエゴで開催される ICSSC2008 の準備状況, 特に, 論文の集まり方の報告が中心であったと思う。この時点で集まった論文が 100 件強であり, 大会委員長の Aerospace Corp. の Dr. Frueholz によるともう数十件欲しいとのことで, 提案〆切を 10 日程延ばすことになった。ICSSC2009 は英国スコットランドのエジンバラで開催すべく Institute of Engineering and Technology と覚書を交換したとのことであった。Awards に関しては, 3 候補を 1 月 31 日までに推薦する。条件としては TC メンバでなくなってから 2 年以上が条件で, 事業の成功だけではダメで, 技術的な貢献が必要ということであった。その後, 我が国の

TCCS Meeting Agenda

1. Introductions
2. TCCS Subcommittee Reports
 - A. Conference Subcommittee
 - a. ICSSC-2008 Planning
 - b. ICSSC-2009
 - c. ICSSC-2010
 - B. Steering
 - Membership news
 - C. Vice Chairman
 - D. Awards
 - E. ICSSC Steering Committee
 - F. Japan Forum
 - G. Treasure Report
3. TCCS Any Other Business
4. Next Meeting
5. Adjourn

JFSC の活動状況を説明した（付録参照）。この中では、特に JFSC の By-Law の改正の承認事項があった。ディスカッションとしては、JFSC の By-Law では AIAA の非会員と一緒に活動をしているが、組織の決定に非会員が関与して大丈夫かというものであった。この点に関しては、もし非会員が役員となるようなときには、AIAA 会員になることを薦めるので、AIAA 会員を増やすことに貢献すると説明し、特に異議がなく、本 By-Law の改正は承認された。なお、今回から AIAA に関する発表には付録に示すスタイルのフォーマットを使うことが推奨されている。

JFSC の活動に関しては、1 月 8 日に開催された IAC 会議においても報告した。IAC 会議には Aerospace Corp. の Bole 委員長をはじめ 20 名の委員が出席した。また、Board of Directors (BoD) においては 1 月 11 日に開催され、Nielsen AIAA 会長ほか約 30 名の理事が出席した。BoD において特に印象に残っているのは AIAA が “old white male society” となっているという批判があると紹介されたことである。これは、若い会員などの活動の多様性を図っていくことなどの改善をしていかねばならない問題である。

AIAA 46th Aerospace Sciences Meeting (ASM) は 1 月 7 日から 10 日まで開催された。本ミーティングは AIAA としては最大級の会議で、2000 名を超える人々が参加した模様である。内容は航空宇宙に関するすべてのことが含まれ、約 180 のセッションで約 1500 件の論文が発表された。展示も行われていたが、ディスプレイによる展示が大部分という印象であった。また、ASM では著名な学者の名が冠せられた次の 3 つの特別講義を聴講した。即ち、

- Dryden Lectureship in Research: Steve W. Squyres, Cornell Univ., “Robotic Exploration on Mars”
 - AIAA/SAE William Littlewood Memorial Lecture: Dr. E.M. Murman, MIT “Lean Aerospace Engineering”
 - von Karman Lectureship in Astronautics: Dr. E.J. Weiler, Director, NASA GSFC
- 特に、2 番目の講演では、一連の報告書である 1989 年の “Made in America”, 1990 年の “Machine Changed World”, 2002 年の “Lean Engineering” を引き合いに、トヨタ生産方法についても言及しながら、Lean thinking はダイナミックで、知識ドライブ型、顧客本位の対処方法で、これを航空宇宙に適用したものを Lean Aerospace Initiative (LAI) として 1993 年に実施したこと。NASA の Faster, Better, Cheaper は LAI に基づいたものではないこと。また、F/A-18 E/F 開発では 25% 大型になったにも拘わらず、47% 少ない部品で達成していること。また、Big room という概念として Obeya (大部屋), Genchi-genbutsu (現地現物) を推奨していた。ASM では、例年のとおり、Associate Fellow となった方々に賞を授与するための Associate Fellow Dinner (写真参照) と各種の賞を授与するための Award Luncheon が開催された。残念なのは、本年 Associate Fellow となった日本人がいなかったことであった。

さらに、1 月 9 日午後に Director-International に関する Special Task Committee Meeting が開催された。BoD の Vice President international activities である Bole 氏、まとめ役の Boeing の Dr. Ying, AIAA 事務局の Iasiello 氏をはじめ約 15 名が出席した。要点は従来の Director-International と Region VII (海外) の Director などの役割をどうはっきりさせるかであり、ヨーロッパ、アジア、南米などの区域に特化した Director を設ける方向の議論が行われた。









以上で会議の報告は終わるが、ホテルは Grand Sierra Resort となり、従来の Reno Hilton から大きく変わった。ホテルの部屋が改装されたばかりでなく、ロビーのスロットマシンは奥の方だけになり、カフェとかバーが増えた。従来のステーキの店はあるが、朝食を食べたファミレス風の店は無くなった。また、ロビーフロアに Starbucks が入った。





以上。



ホテルの部屋から空港の方角（左写真）及び夕方のラッシュ時（右写真）を望む

付録 AIAA-JFSC 2007 年活動報告

<div><p>The World's Forum for Aerospace Leadership</p></div> <div>Activities of AIAA Japan Forum on Satellite Communications (JFSC) in 2007</div> <div>Takashi Iida, JFSC/NICT AIAA-TCCS Meeting in Reno January 7, 2008</div>	<div><p>The World's Forum for Aerospace Leadership</p></div> <div>JFSC Activities in 2007</div> <div><ul style="list-style-type: none">JFSC Chair (4th Chair of JFSC)<ul style="list-style-type: none">Dr. Yasuo Hirata, President of KDDI Lab, now President of ATR Lab.SPACE JAPAN REVIEW, Bulletin of JFSC, is still published in both Japanese & English. Commemorative 50th issue was published. However, due to difficult situation in the members, only 3 issues were published in 2007, while the Editorial Committees were held in January, April, October, November and December 2007.April 10-13, 2007<ul style="list-style-type: none">ICSSC-2007 held in Seoul, Korea successfully under cooperation with JFSC and APSCC1.April 15-18, 2007<ul style="list-style-type: none">WSANE22007 held in Perth, Australia in cooperation with IEICE3 and JFSCApril 25, 2007<ul style="list-style-type: none">Annual General Meeting of JFSCNovember 1-2, 2007<ul style="list-style-type: none">JC-SAT42007 (2007 Joint Conference on Satellite Communications) held in Okinawa, Japan in cooperation of IEICE, KOSST5with support of JFSCNovember 28-30, 2007<ul style="list-style-type: none">Exhibits an AIAA-JFSC corner at MWE62007 held in Yokohama, Japan</div> <div>Dr. Tadahiro Sekimoto, former President of NEC and the first Chair of JFSC passed away on November 11, 2007. He was 80 years old.</div> <div><ol style="list-style-type: none">Asia-Pacific Satellite Communications CouncilWorkshop for Space, Aeronautical and Navigational ElectronicsInstitute of Electronics, Information and Communication Engineers, JapanJoint Conference on Satellite CommunicationsKorea Society of Space Technology, KoreaMicrowave Workshops & Exhibition</div>
<div><p>The World's Forum for Aerospace Leadership</p></div> <div>Organization of JFSC and Editorial Committee of JFSC (as of Nov. 2007)</div> <div><ul style="list-style-type: none">Organization<ul style="list-style-type: none">Chair<ul style="list-style-type: none">Y.Hirata, KDDI Lab.Vice-Chair<ul style="list-style-type: none">Y.Horikawa, JAXAK.Nagai, B-SATS.Isozaki, JSATChair Administrator<ul style="list-style-type: none">Y.Suzuki, NECVice-Chair Administrator<ul style="list-style-type: none">H.Ishikawa, KDDI Lab.Chair Finance<ul style="list-style-type: none">N.Hamamoto, NICTChair Exhibit<ul style="list-style-type: none">Y.Horikawa, JAXAChair Membership<ul style="list-style-type: none">R.Suzuki, ATRChair International<ul style="list-style-type: none">M.Miura, SCCChair Award<ul style="list-style-type: none">K.Imai, B-SATAuditor<ul style="list-style-type: none">Y.Iizuka, JSATEditorial Committee<ul style="list-style-type: none">Chair<ul style="list-style-type: none">H.Wakana, NICTVice-Chair<ul style="list-style-type: none">T.Ueda, retired MELCOSpecial Advisor<ul style="list-style-type: none">S.Kitazume, JEPICOY.Suzuki, NECT.Iida, NICTMembers<ul style="list-style-type: none">Y.Kazekami, MELCOM.Miura, SCCH.Mizuno, Tokai Univ.T.Nishimiya, KDDI Engineering & ConsultingT.Obuchi, JEPICOM.Shigaki, Fujitsu Ltd.S.Ueba, ATRT.Oishi, NT-Space</div>	<div><p>The World's Forum for Aerospace Leadership</p></div> <div>Space Japan Review (SJR) Oct. 2006 - Nov. 2007</div> <div>Space Japan Review on WEB URL http://satcom.nict.go.jp Number of Total Accesses: 31,132 as of Dec. 3, 2007 (675 for Oct., 272 for Nov.)</div> <div><div><p>#49, Oct/Nov 2006</p></div><div><p>#50, Dec/Jan 2006/2007</p></div><div><p>#51, Aug/Sep 2007</p></div><div><p>#52, Oct/Nov 2007</p></div></div> <div>Commemorative 50th Issue</div>

<div data-bbox="236 120 327 159">  </div> <div data-bbox="228 176 352 203"> Article IV - VI </div> <div data-bbox="199 221 379 241"> < Article IV > Membership </div> <div data-bbox="199 239 786 271"> <p>(1) The membership of the AIAA-JFSC shall consist of the AIAA members of all grades who want to join the AIAA-JFSC.</p> </div> <div data-bbox="228 268 786 297"> <p>The clause of Article V shall define the exclusive method of determining eligibility of a member to the AIAA-JFSC.</p> </div> <div data-bbox="199 295 786 340"> <p>(2) The persons who are not AIAA member but want to support the AIAA-JFSC can also become members of the AIAA-JFSC, and shall be eligible to get related information and Space Japan Review.</p> </div> <div data-bbox="199 338 786 383"> <p>(3) The Corporation members who want to support the AIAA-JFSC financially are also members of the AIAA-JFSC, and shall be eligible to get related information and Space Japan Review.</p> </div> <div data-bbox="199 378 786 398"> <p>(4) AIAA-JFSC shall have executive members and executive advisers who will be selected by the Board of Officer.</p> </div> <div data-bbox="199 396 445 416"> < Article V > Membership application </div> <div data-bbox="199 414 786 434"> <p>(1) Person who wants to become member should submit the membership application form to AIAA-JFSC.</p> </div> <div data-bbox="199 432 531 450"> <p>(2) Corporation members shall register their representative.</p> </div> <div data-bbox="199 448 627 461"> <p>(3) Corporation members shall report when they change their representative.</p> </div> <div data-bbox="199 459 397 477"> < Article VI > Membership fee </div> <div data-bbox="199 474 775 495"> <p>(1) AIAA member shall not be required to pay any fee for membership of AIAA-JFSC in addition to AIAA membership fee.</p> </div> <div data-bbox="199 492 778 544"> <p>(2) AIAA-JFSC shall neither charge nor collect membership fee, but it may accept incidental voluntary contribution and/or supporting money from members and corporate members for technical activities of AIAA-JFSC.</p> </div> <div data-bbox="766 539 786 555"> 12 </div>	<div data-bbox="849 120 940 159">  </div> <div data-bbox="839 176 1106 203"> Article VII (continued) - VIII </div> <div data-bbox="798 217 1008 237"> < Article VII > Officers (Continued) </div> <div data-bbox="798 235 1345 275"> <p>(10) Membership Officer The membership officer is responsible for the AIAA-JFSC membership promotion and retention program (Renewal), and also for maintaining the AIAA-JFSC members list with address.</p> </div> <div data-bbox="798 271 1375 304"> <p>(11) Honors & Awards Officer The Honors & Awards officer is responsible for the nomination and preparation of the Japan Aerospace Communications Award specified in Article XII Award, and also responsible for the nomination to AIAA Award.</p> </div> <div data-bbox="798 300 1375 374"> <p>(12) Academy Relation & Exhibition Officer The Academy Relation & Exhibition officer is responsible for the establishment of the intimate communication between AIAA-JFSC and universities / academic organizations within Japan territory to keep up with the advanced technical level provided by the academy, and also responsible for preparing the satellite communications system exhibition to promote the activities in satellite communications R&D within Japan.</p> </div> <div data-bbox="798 369 1367 416"> <p>(13) International Relation Officer The International Relation officer is responsible for the maintenance of good interface with AIAA H.Q., TCSS and satellite communications related organizations in Asia Pacific region.</p> </div> <div data-bbox="798 412 1251 434"> <p>(14) Auditor Auditor shall have responsibility to perform audit of the AIAA-JFSC's financial reports.</p> </div> <div data-bbox="798 430 984 454"> < Article VIII > Board of Officer </div> <div data-bbox="798 448 1383 499"> <p>(1) The Board of officer shall consist of, as a minimum, Secretary, Vice secretary, Treasurer, Publication officer, Membership officer, Honors & Awards Officer, Academy relation & Exhibition Officer, International Relations Officer, and a number of selected acting members as decided as necessary by the Board of Officer. The Board of Officer shall have responsibility for the following items.</p> </div> <div data-bbox="798 495 1264 530"> <p>(a) To deliberate the regular business issue of the AIAA-JFSC. (b) To deliberate the business issue requested by Chairperson of AIAA-JFSC especially.</p> </div> <div data-bbox="798 526 1402 568"> <p>(2) Executive Advisers Executive Advisers are responsible for providing advice and recommendations to the Board of Officer. They are encouraged to take an active part in Committees and other AIAA-JFSC Activities.</p> </div> <div data-bbox="1378 539 1402 555"> 14 </div>
<div data-bbox="236 577 327 616">  </div> <div data-bbox="228 631 352 656"> Article IX - X </div> <div data-bbox="181 669 408 689"> < Article IX > Annual General Meeting </div> <div data-bbox="181 685 718 703"> <p>(1) General Meetings (which are Annual General Meeting and Extraordinary General Meeting) shall be held.</p> </div> <div data-bbox="181 698 754 728"> <p>(2) Annual General Meeting is the periodic Meeting which shall be consisting of the members of AIAA-JFSC of all grades.</p> </div> <div data-bbox="181 723 627 741"> <p>(3) Annual General Meeting shall be held within one month after the end of the fiscal year.</p> </div> <div data-bbox="181 736 526 754"> <p>(4) Extraordinary General Meeting shall be held in the following case:</p> </div> <div data-bbox="181 750 515 770"> <p>(a) When the Board of Officer approves the necessity.</p> </div> <div data-bbox="181 766 515 784"> <p>(b) When one third of the members claims with the necessity.</p> </div> <div data-bbox="181 779 569 797"> <p>(5) The Chairperson of AIAA-JFSC shall convene the Annual General Meeting.</p> </div> <div data-bbox="181 792 569 810"> <p>(6) The Annual General Meeting shall not open without two third of the officers.</p> </div> <div data-bbox="181 806 604 824"> <p>(7) The bill of General Meeting shall be agreed with more than half of the attendance.</p> </div> <div data-bbox="181 819 472 837"> <p>(8) The Chairperson shall preside at the General Meeting.</p> </div> <div data-bbox="181 833 442 851"> <p>(9) The General meeting shall vote following issues.</p> </div> <div data-bbox="181 846 462 864"> <p>(a) Settlement of the Activity plan and the Budget.</p> </div> <div data-bbox="181 860 435 878"> <p>(b) Approval of Activity Report and accounts.</p> </div> <div data-bbox="181 873 547 891"> <p>(c) Amendment for the Article of Bylaw of AIAA-JFSC as necessary.</p> </div> <div data-bbox="181 887 754 907"> <p>(10) A member who is not able to attend the Annual General Meeting may delegate his/her authority to the Chairperson of the General Meeting or other member in attendance.</p> </div> <div data-bbox="181 902 328 920"> < Article X > Committee </div> <div data-bbox="181 916 715 936"> <p>(1) AIAA-JFSC Committee shall be appointed by the Chairperson, in consultation with the Vice-chairperson.</p> </div> <div data-bbox="181 931 732 949"> <p>(2) AIAA-JFSC Committee shall be consisting of Technical Program Committee, Editorial Committee, Exhibition Committee and Award Committee.</p> </div> <div data-bbox="181 945 740 965"> <p>(3) The composition of other committee shall be decided as occasion demands. And the knowledgeable persons from outside of organization may become observers.</p> </div> <div data-bbox="181 960 754 1010"> <p>(4) AIAA-JFSC Committee shall perform the concrete tasks, which support the objective and mission of AIAA-JFSC in Article II and III.</p> </div> <div data-bbox="766 987 786 1003"> 15 </div>	<div data-bbox="849 577 940 616">  </div> <div data-bbox="839 631 984 656"> Article XI - XIII </div> <div data-bbox="798 669 922 689"> < Article XI > Award </div> <div data-bbox="798 685 1185 703"> <p>(1) The name of the Award shall be Japan Aerospace Communications Award.</p> </div> <div data-bbox="798 698 1366 728"> <p>(2) This Award is given to the people or companies who significantly contributed the satellite communications system development.</p> </div> <div data-bbox="798 736 984 757"> < Article XII > Financial affairs </div> <div data-bbox="798 752 909 770"> <p>(1) Supporting money</p> </div> <div data-bbox="798 766 1356 797"> <p>The supporting money paid by sustaining members, corporation members and the supporting money from foundation and incidental voluntary contribution are basic fund of the AIAA-JFSC.</p> </div> <div data-bbox="798 792 1361 846"> <p>(2) The AIAA-JFSC shall open and maintain a bank account in reliable banking or other financial institution for the disbursement of expenses incident to its organizational purposes and functions, and for acceptance and collection of supporting money prescribed in above clause.</p> </div> <div data-bbox="798 842 873 860"> <p>(3) Fiscal year</p> </div> <div data-bbox="798 855 1085 871"> <p>The fiscal year shall be from April 1st to March 31st.</p> </div> <div data-bbox="798 878 962 896"> < Article XIII > Amendment </div> <div data-bbox="798 891 1345 922"> <p>(1) The Bylaws of the AIAA-JFSC may be amended by a majority vote of the board of officer and are subject to approval by Annual General Meeting and AIAA-TCCS prior to implementation.</p> </div> <div data-bbox="1378 987 1402 1003"> 16 </div>

