

# Notices from the JAMS

May 2005

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## Announcement about Officers

As announced in the Timetable for Enforcement of the Bylaws in Vol. 61, No.1(March 2005) of SCMJ, the deadline for the candidates for the officers was March 30, 2005. As of the date, there were the following candidates: Kiyoshi Iseki for President, Toshio Nishida for Treasurer, Atsushi Yagi for Secretary in charge of meetings and international exchanges, Akira Tsutsumi for Secretary in charge of publication of SCMJ and of members, Tadashige Ishihara for Secretary in charge of editing of SCMJ and Notices. Each was the only candidate for the position, we have decided (1)not to conduct the vote and (2) to regard them elected as of March 31, 2005. The next step is (3) the nomination of the twelve Council members by the Board of Officers by April 30, 2005 and (4) the confidence vote on WWW, by email, or by airmail. For eight foreign members of the Council, it is desired that they can attend the meetings using the videoconference system. Although it may be impossible for them in the year of 2005, we assume it will be feasible for many of the foreign members in the years of 2006 or 2007. Therefore, we permit that, as transitional measure, a part of the seats of the foreign Council members can be vacant in 2005.

### Timetable

May 9, 2005 (Mon)	Publication of Vol. 61, No.3 of SCMJ in which the above result is included
May 15, 2005 (Sun)	Starting the confidence vote on the two trustees and twelve members of the Council
May 30, 2005 (Mon)	Deadline for the confidence vote
June 11, 2005 (Sat)	Completion of the list of Board of Trustees and Council
July 1, 2005 (Fri)	Enactment of the Bylaws and inauguration of the officers
July 9, 2005 (Sat)	Mailing of Vol.62, No.1 of SCMJ

### Confidence Vote on Trustees and Council Members

According to the Bylaws, the board of officers nominates Auditor, Associate Treasurer of Board of Trustees, and the Council members and the confidence vote by the ISMS (JAMS) members is to be made. The vote can be made on WWW, by email, fax, or airmail based on the following list of nominees. Several nominees for the foreign council members may be added to the list before starting the vote. Please refer to our homepage for the final list of nominees.

1. Board of Trustee

Auditor: Hisashi Choda

Associate Treasurer: Koyo Uematsu

2. Board of Council

Domestic members: Shizu Nakanishi, Junichi Nagata, Minoru Sakaguchi,  
Masanobu Taniguchi (Waseda Univ.)

Foreign members: Alexander V. Arhangel'skii (Ohio Univ., U.S.A.),  
Vladimir Mazalov (Russian Acad. of Sci., Russia),  
Gerhard Preuss (Freie Uni. Berlin, Germany),  
Ioan A. Rus (Babes-Bolyai Univ., Romania)  
Wuyi Yue (Konan Univ., Japan)

## Call for Proposals and Organizers for Special Sessions in IVMS 2006, IVMS 2007 and IVMS 2008

The JAMS holds inter-regional videoconference via internet. The first videoconference was held in December 2003, the second in June 2004, and the third will be held in March 2006. We are planning a videoconferencing system that will be able to connect up to four research sites, at present. Therefore presenters may be asked to travel to one of these local sites in order to present. The international videoconference consists of special sessions only. These sessions will be devoted to special fields of study, for example Fixed point theory and its applications. Each session's organizers will decide the type of the videoconference: presentation of original papers (contributed and/or invited papers) and/or expository articles, or tutorials. Speakers of the session can write on a white board or an OHP sheet, or can use PowerPoint. Participants can ask questions or make comments. All these are performed similarly to the traditional meetings. Organizers of the sessions chair their meetings at their co-ordination sites and can turn the speakers' sites.

Time differences between local sites will become an important factor. Please note the following possibilities: **There are three combinations of connections for inter-regional videoconferences:**

- (1) Europe (morning) - Asia (evening) for 4hrs from 08:30(GT) to 12:30(GT)
- (2) Asia (morning) - West coast area of USA (evening) for 4 hrs from 23:30(GT) to 03:30(GT)
- (3) Asia (around noon) - Asia (evening) for 4 hrs from 16:00(GT) to 20:30(GT)

Every IVMS is performed through three steps.

- (1) Trial of link in advance between (1) organizer and Osaka Nakanoshima Center (ONC) and (2) coorganizer and ONC are recommended.
- (2) In the first step, all papers are presented on the homepages of the JAMS.  
(<http://www.jams.or.jp/ivms/index-ivms.html>)
- (3) In the second step of the IVMS, all papers are presented similarly to the usual assembly-type meeting via internet, often using CD-ROMs or DVDs which are sent beforehand, when the author can't use VC system via internet.

### Scheme of Videoconference

#### 1) Videoconference System

In order to have a videoconference with us, your institutions should have one of the following in the descending order of desirability.

1. Videoconference room
2. Facilities for distance learning
3. Facilities in computer centers

Making use of one of the above, your institutions can be connected with our system(TANDBERG 6000) at Nakanoshima Center of Osaka University as far as your system satisfies the following ITU-T standards.

## International Standards of Videoconference System

ITU-T	over IP H.323
Video Coding	H.261, H.263
Audio Coding	G.711, G.723 G.722, G.728
Multiplexing (Mux / Demux)	H.225
System Control	H.245
Transmission Rate	64kbps 128kbps 384kbps

Image dimensions : CIF : 352 × 288, QCIF : 176 × 144, SQCIF : 128 × 96

The following products are assured to be able to be connected with our "TANDBERG 6000".

### **H.323 Endpoints(over IP)**

Equipment Software Revision

Polycom ViewStation 512MP 7.0.1, 7.2.4, Polycom ViewStation FX 4.2, 5.0

Polycom Via Video 5.0

PictureTel 970 5.0.0.415, PictureTel 680 5.0.0.415

PictureTel (Intel) TeamStation 4.0a

Microsoft NetMeeting 3.01

VCON Vigo 4.6, VCON Falcon 0300.M07.D28.H11

VCON Cruiser 384 4.6

VTEL Galaxy 2.2.0.070

Sony PCS-1600 3.10, Sony PCS-6000 5.00

D-Lonk i2Eye 2.0.0.20

## **2) Organizers**

Organizers should appoint invited speakers and call for papers for their sessions. The selection of the papers is left to the organizers' own choice. They should inform the JAMS of their programs with the titles, author's names of the papers. They should send the following "Form for Application of Organizers" to the JAMS.

## **3) Application Form for Organizers**

Every organizer should inform the following data to the JAMS program committee (Through the homepage of the JAMS. [http://www.jams.or.jp/hp/ivms\\_organizers.html](http://www.jams.or.jp/hp/ivms_organizers.html)).

1. Name of the organizer
2. E-mail address
3. Title of the planned special session
4. Names of the co-organizers of the joint universities/societies and their affiliations, if any.
5. Name(s) of the invited speakers, if any.

#### 4) Participation

Individuals who wish to participate the videoconference can designate a session or sessions in which they are going to participate.

- (1) For participants, there can be three sites that are connected with our key site simultaneously. The foreign participants can go to the nearest university announced on our web page as the joining sites.
- (2) The application for participation can be made on the web inputting the required data in the registration form on the JAMS homepage.  
([http://www.jams.or.jp/hp/ivms\\_organizers.html](http://www.jams.or.jp/hp/ivms_organizers.html)) or write items in the following forms and send by post to the Japanese association of mathematical Sciences 2-1-18 Minami Hanadaguchi, Sakai, Osaka 590-0075, Japan  
Or applicants can mail by post the following data 5) 1 ~ 5 both to the JAMS managing office and to the organizer of the session in which they wish to participate.
- (3) The participation fee to cover the head office cost is free for the 2005, 2006 IVMS and 2007 IVMS.  
Please note that local sites may request an additional fee to cover local costs and responsibilities from the 2005 IVMS. Check with your local site.
- (4) The JAMS will give a password to the participants to enter the session of the web.
- (5) The list of the participants will be announced beforehand on the web.

#### 5) Application Form for Participants

1. Name of participant
2. Postal address of participant
3. E-mail address of participant
4. Do you contribute your paper? Yes or No?
5. If yes, please register the following items (1) ~ (5) using form in the JAMS homepage ([http://www.jams.or.jp/hp/ivms\\_organizers.html](http://www.jams.or.jp/hp/ivms_organizers.html)) or write items in the following forms and send by post together with registration form for participants.
  - (1) Title of paper
  - (2) Number of pages of the manuscript
  - (3) Author's name(s) : Last(Family) name First name Middle name (in this order)
  - (4) Is it possible for you to present a CD-ROM or a DVD in which your speech(lecture) is recorded?
  - (5) If you use compress utility of your file, please type the kind of compression you use (ZIP, gzip, tar, tar+gzip, tar+compress or others)

#### 6) Presentation on the WWW

Programs, abstracts of the papers, and the full text of the papers of each session will be located beforehand on the web in pdf and will be saved for a month.

**7) Proceedings** After the videoconference, the papers selected by the organizers may be published on the WWW as proceedings.

#### 8) Submission

Every author of the papers including invited papers should email the title, the abstract (within 20 lines) and the full text both to the JAMS office and to the organizer of the session in which he would like to participate. The organizers should make a program of

their sessions and send it to the JAMS. The JAMS managing office will make the programs and the abstracts known to the public on the web. However, only the participants can view the full texts of the papers using a password. (We have about 40,000 accesses to our web site per month.)

### **9) Format of Submission**

The format of submission should be in TeX file, preferably together with pdf file. For the TeX files without pdf files, the JAMS managing office will process them into pdf format.

### **10) Connection Test "Bon jour" on March 23, 2005**

We had a connection test "Bon jour" on March 23, 2005 at Nakanoshima Center of Osaka University for the future distance symposium (videoconference) in 2006 and 2007. Prof. Mazalov at Karelia Research Center of Russian Academy of Sciences, Russia and Prof. K. Szajowski at Wroclaw University of Technology, Poland joined the test at their institutions in Russia or Poland. The test began at 17:30 (Japan time). We could connect with Prof. Mazalov's institution (Russia) first. Prof. Mazalov introduced himself in writing his name in Japanese (phonetic equivalent) which astonished all of us at Nakanoshima Center. Around 19:00, we could connect with Prof. Szajowski's institution, too. We have known him well by his papers, but it is the first time to meet and have a talk with him on the screen. The test turned out to be a great success. We would like to express our gratitude to Prof. Mazalov, Prof. Szajowski, and Prof. Sakaguchi of Game Theory Group, who made a breakthrough in the international videoconference (distance symposium) the JAMS is planning.

### **11) Deadlines for 2006 IVMS ( May 23, 2006)**

For organizers: Aug. 31, 2005

For consideration of contributed papers for special sessions

- (1) For titles: Sept. 30, 2005
- (2) For abstracts: Oct. 31, 2005
- (3) For full texts: April 28, 2006
- (4) For participation: May 16, 2006

### **12) Deadlines for 2007 IVMS ( May 22 ~ 23, 2007)**

For organizers: July 31, 2006

For consideration of contributed papers for special sessions

- (1) For titles: Sept. 30, 2006
- (2) For abstracts: Oct. 31, 2006
- (3) For full texts: April 28, 2007
- (4) For participation: May 16, 2007

### **13) Publication in SCMJ**

In the usual submission to SCMJ, authors should designate one of the editors and send their papers both to the editor and to our office. In the case of the papers to be presented in IVMS, the organizers, the co-organizers and the invited speakers can, upon their approval, referee in place of the editors. The editorial board expects this will ensure the papers to be refereed quickly and published adequately.

#### **14) JAMS Prize Winners**

Winners of JAMS Prize can give their lectures or speeches at IVMS if they wish.

#### **15) FAQ about videoconference**

(Question 1) Where do the authors (lectures, speakers) present his/her paper in the videoconference?

(Question 2) Is there any limitation to the length of the lecture?

(Question 3) Can the authors make lectures using OHP?

(Question 4) What should the authors do except for making lectures?

(Question 5) Is there any limitation to the length of the papers?

(Question 6) Is there any limitation to the length of the abstract?

(Question 7) What format (style) of the papers is required?

(Answer 1) As the conference sites are announced on the web before the videoconference, the authors go to the nearest site to present their papers.

(Answer 2) It depends on the organizers of the sessions. Please ask the organizers directly. We are thinking of 30 minutes as a rough standard including questions and answers.

(Answer 3) Yes, they can. They can also use white boards. However, please ask the organizers if it is possible at their site.

(Answer 4) They should submit the papers (including abstract) for the web, which will be located on the web in advance.

(Answer 5) It depends on the organizers of the sessions. Please ask the organizers directly. We are thinking of fifteen pages as a rough standard.

(Answer 6) It should be within 20 lines in TeX style.

(Answer 7) They should be in TeX file. If possible, please add pdf file.

**JAMS Co-sponsored Meeting**  
**The 4-th International Conference on Nonlinear Analysis and Convex Analysis**  
**June 30 - July 4, 2005**  
**Okinawa Convention Center, Okinawa, Japan**

**\* Conference Objectives**

This conference has several unique features and to hold this meeting is very important for development of mathematical science and its related area all over the world. During the last three decades, the study of Nonlinear Analysis has been devoted vigorously and such activity had great influence on other areas of science as much as mathematics. At the same time, Convex Analysis has grown in connection with the study of problems of optimization, equilibrium, control, and stability of linear and nonlinear systems. These two mathematical disciplines have no border and they rather have good effects each other.

Now, we are requested and asked for new ideas and human technology based on reliable and theoretical methodology. We believe that world-wide experts on nonlinear analysis and convex analysis can answer reasonable and optimal solutions for such problems if they cooperate with each other.

To this end, we organized the first meeting (NACA98) of the international conference on Nonlinear Analysis and Convex Analysis which was held in Niigata, Japan. In 2001 and 2003, we held the second and third meetings (NACA2001 and NACA2003) at Hirosaki University and Tokyo Institute of Technology, respectively. Now, we are organizing the fourth meeting in order to discuss more recent advances in theoretical and applicational aspects of such topics. We hope that this conference can provide important opportunities to all participants, especially mathematicians and researchers who are working in pure mathematics, applied mathematics, Operations Research, Optimization, and other areas such as Systems Engineering, Computer Science, Mathematical Economics.

**\* General Information**

The conference will be held at Okinawa Convention Center between June 30 and July 4 in 2005, supported by University of the Ryukyus, Tokyo Institute of Technology, Tokyo University of Science, and Niigata University. All plenary talks will be planned in the morning sessions, and other invited talks and contributed talks will be in the afternoon sessions.

The official language of the conference is English. All presentations will be made in English. No arrangements are available for simultaneous translation.

Okinawa is the southernmost prefecture in Japan, and consists of 150 or more islands large and small, sprinkled over 1,000km of ocean east to west, and 400km north to south. Blessed with stunningly lush nature, its long history of close relations with China, Japan and other countries of Asia as Japan's only semitropical area has furnished the raw materials from which its people have fashioned a rich cosmopolitan culture of distinctive arts and crafts, festivals and traditions. The temperature of summer goes up to 30 degrees or more.

**\* Call for Papers**

The four-day technical program will consist of invited lectures and contributed papers. Papers related to the following topics and Session-Organizers are solicited; but the conference topics include other areas related to nonlinear problems and convex problems. Each parallel session has two hours, and hence each presentation time depends on the number of papers in each parallel session. Participants who are interested in session-organizing should solicit 3-5 papers.

\* Nonlinear Functional Analysis

- \* Fixed Point Theory and its Applications
- \* Geometry of Banach Spaces
- \* Convex Analysis
- \* Set-Valued Analysis
- \* Game Theory
- \* Optimization
- \* Multicriteria Problems
- \* Partial Differential Equations and their Applications to Economics
- \* Mathematics of Finance and Engineering
- \* Data Mining and Neural Network

**\* Conference Committees**

**Scientific Committee**

T. Ando (Hokkaido Univ., Japan)  
 F. E. Browder (Rutger Univ., USA)  
 K. Fan (Univ. Cal. Santa Barbara, USA)  
 A. Ioffe (Technion - Israel Inst. Tech., Israel) H. -C. Lai (Chung Yuan Christian Univ., Taiwan) L. A. Petrosjan (St. Petersburg State Univ., Russia) R. T. Rockafellar (Univ. Washington, USA) P. L. Yu (Univ. Kansas, USA)

**International Program Committee**

W. Takahashi (co-chair, Tokyo Tech., Japan) T. Tanaka (co-chair, Niigata Univ., Japan)  
 H. Aikawa (Shimane Univ., Japan) S. Akashi (Tokyo Univ. of Science, Japan) J. Borwein (Simon Fraser Univ., Canada) R. Bruck (Univ. Southern California, USA) C. Castaing (Univ. Montpellier II, France) K. Goebel (Maria Curie-Sklodowska Univ., Poland) M. Fukushima (Kyoto Univ., Japan) N. Hirano (Yokohama National Univ., Japan) H. Kawasaki (Kyushu Univ., Japan) J. K. Kim (Kyungnam Univ., Korea) W. A. Kirk (Univ. Iowa, USA) M. Kojima (Tokyo Tech., Japan) H. Komiya (Keio Univ., Japan) A. T. Lau (Univ. Alberta, Canada) D. T. Luc (Hanoi Inst. Math., Vietnam) K. Naito (Kumamoto Univ., Japan) T. Nishishiraho (Univ. the Ryukyus, Japan) K. Nishizawa (Josai Univ., Japan) S. Park (Seoul National Univ., Korea) J. -P. Penot (Univ. de Pau, France) L. Qi (Hong Kong Polytechnic Univ., China) S. Reich (Technion - Israel Inst. Tech., Israel) B. Ricceri (Univ. Catania, Italy) S. Schaible (Univ. California Riverside, USA) M. -H. Shih (National Taiwan Normal Univ., Taiwan) B. Sims (Univ. Newcastle, Australia) T. Tanino (Osaka Univ., Japan) M. A. Thera (Univ. Limoges, France) J. R. L. Webb (Univ. Glasgow, UK) V. I. Zhukovskiy (Russian Cor. Inst. TLI, Russia)

**\* Dates to Remember**

April 30, 2005 : Pre-registration and deadline for submission of abstracts.  
 May 15, 2005 : Acceptance notification and distribution of registration accommodation forms.  
 May 31, 2005 : Deadline for early registration.  
 June 30, 2005 : Welcome reception party.  
 September 30, 2005 : Deadline for full papers.

**\* Correspondence**

Dr. Yasunori Kimura, The Secretariat of NACA2005, Dept. of Mathematical and Computing Sciences, Tokyo Institute of Technology, O-Okayama, Meguro, Tokyo 152-8552, JAPAN  
 FAX: +81 3 5734 3208

**\* Further Information**

Email: [naca2005@mathweb.sc.niigata-u.ac.jp](mailto:naca2005@mathweb.sc.niigata-u.ac.jp),  
<http://www.sc.niigata-u.ac.jp/naca2005/>

# Call for Members

## JAMS Membership Dues from 2005

A new category "life member" has been established and can be applied for from 2005. An eligible member may become a life member by making a one-time payment of dues. A member who has been a JAMS member for ten years or more is eligible for a life member. The amounts of dues are : ¥70,000 for the domestic members, US\$ 600 ( € 480) for the foreign members, and US\$ 500 ( € 400) for the members in developing countries.

We have reduced the JAMS membership dues since 2001 and copies of the printed journal have not been distributed to the members, free of charge. Instead, we give User Name and Password to each member so that he/she can view or print out the full text of the papers published in SCMJ except papers in the international plaza from our Web site (<http://www.jams.or.jp>).

The Membership Dues for each category is as follows. Applications for the 3-year members can be made only in 2005 and in every three years.

### Membership Dues for 2005

Membership	JAPAN	S-JAPAN	Foreign	S-Foreign	Developing
1-year	A1 ¥7,000	SA1 ¥3,500	F1 US\$50, € 40	SF1 US\$30, € 24	D1 US\$30, € 24
3-year	A3 ¥18,000	SA3 ¥9,000	F3 US\$120, € 120	SF3 US\$60, € 48	D3 US\$70, € 56
Life Member	Life ¥70,000	Life ¥70,000	FL US\$600, € 480	FL US\$600, € 480	DL US\$500, € 400

Category D is for those who reside in the countries of Eastern Europe, CIS or developing countries. Category S is for students and for the aged (older than 70). The figure 1 and 3 means a year and 3 years respectively.

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### Payment Instructions

Payment can be made through a post office or a bank, or by credit card. Members may choose the most convenient way of remittance. Please note that we do not accept payment by bank drafts (checks). For more information, please refer to an invoice.

#### Methods of Overseas Payment:

Payment can be made through (1) a post office, (2) a bank, (3) by credit card, or (4) UNESCO Coupons.

Authors or members may choose the most convenient way of remittance as are shown below. Please note that **we do not accept payment by bank drafts (checks)**.

(1) Remittance through a post office to our giro account No. 00930-1-11872 or send International Postal Money Order to our postal address (2) Remittance through a bank to our account No. 94103518 at Shinsaibashi Branch of CITIBANK (3) **Payment by credit cards** (AMEX, VISA, MASTER or NICOS), or (4) Payment by UNESCO Coupons.

#### Methods of Domestic Payment:

Make remittance (1) to our Post Office Transfer Account - 00930-3-73982 or

(2) to our account No.1565679 at SUMITOMO BANK, Sakai, Osaka, Japan.

All the correspondences concerning subscriptions, back numbers, individual and institutional memberships, should be addressed to the Publications Department, Japanese Association of Mathematical Sciences.

## Membership Application Form

To determine what membership category you are eligible for, read "Join JAMS" on the inside of the back-cover.

1. Name: Family Name, First Name, Middle Name (in this order)

2. Home Address

3. Name of Firm or Institution

4. Postal address to which correspondences should be sent

5. e-mail address

6. Telephone Number, Fax Number

7. Membership Category

8. Panel (Please choose one out of the following 12 panels and write the panel number. You could choose one or more.)

(e-1) Mathematical Logic, Set Theory, Lattice Theory, Ordered Systems.

(e-2) Algebra, Algebraic Geometry, Number Theory, Combinatorics, Cryptology.

(e-3) Topology, Geometry.

(e-4) Real Analysis, Functional Analysis, Complex Functions.

(e-5) Differential Equations, Integral Equations, Functional Equations.

(e-6) Applied Analysis, Control Theory, Numerical Analysis.

(e-7) Probability, Statistics, Decision Theory.

(e-8) Game, Finance, Mathematical Economics.

(e-9) Informatics, Computer Sciences.

(e-10) Biomathematics, Nanoscience.

(e-11) Math. Education, History of Mathematics.

(e-12) Over several fields. (Ex. Fixed Point Theory, Semi-group)

9. Does your institution have (1) a videoconference room, (2) facilities for distance learning, or (3) facilities in computer centers? If yes, write the facility number ((1), (2), (3)) your institution has.

10. Which system does your institution use for telecommunication, ISDN line, IP connection or both?

11. Would you like to buy the printed copies of SCMJ, whose prices a year are US\$60(6,000yen,  $\yen$  48) for 1-year-members and US\$150(15,000yen,  $\yen$  120) for 3-year-members prepaid subscription rate? Type YES or NO.

12. If you apply for an aged member (70 years old or over), please type the year of your birth. Please verify if you wish to be a student member.

13. Date

14. Signature

For Japanese applicants, please send two application forms, one in English and the other in Japanese.

I wish to enroll as a member of JAMS and will pay to Japanese Association of Mathematical Sciences the annual dues upon presentation of an invoice. Copies of *Scientiae Mathematicae Japonicae* received as a JAMS member will be for my personal use and shall not be placed in institutional, university or other libraries or organizations, nor can membership subscriptions be used for library purposes.

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.

11.

12. Year . . . . .

Student Verification (sirn below)

I am a full-time student at .....

13.

14. Signature

\_\_\_\_\_