

Notices from the ISMS

November 2006

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**For the Welfare of the Humankind
Promoting Mathematical Sciences**

Twenty years ago some mathematicians from universities in Dresden, Potsdam and Rostock (cities in East Germany) started to organize special conferences in the field of general algebra and its applications for young mathematicians.

I was often asked: What is a young mathematician, what is a young algebraist? With the years it became more and more difficult to give an answer. When Dietlinde Lau from Rostock, Reinhard Pöschel from Dresden and myself started to organize these conferences we were young, looked young and nobody asked us this question. A few years later I have met Saunders Mc Lane, he was around eighty, and invited him to take part in one of the conferences for young algebraists. He was a bit surprised and asked: "Do you think that I am young?" "Of course", was my answer.

Our idea twenty years ago was to encourage graduate students of mathematics to do research. As algebraists we were especially interested in young people which are enthusiastic for our field.

Mathematics research is the long-term, open-ended exploration of a set of related mathematics questions whose answers connect to and build upon each other. Problems are open-ended because any solution creates a new problem. For students problems are open-ended because they continually come up with new questions to ask based on their observations. Students use or should learn to use the same general methods which are used by experienced researchers in Mathematics. But there are some additional characteristics of student research which include:

- Students develop questions, approaches and results, that are, only for them, original products.
- Students have to learn to work through cycles of data-gathering, visualization, abstraction, conjecturing, and proof.
- Students have to learn to communicate mathematically: to describe their thinking, to write definitions and conjectures, to use symbols, to justify their conclusions, to read and to write mathematics.
- The young researchers, as a part of the community of mathematicians have to learn how to share and to build on each other's questions, conjectures, and theorems.

One of the basic ideas of the classical university is that of the unity of teaching, education and research.

Mathematics research influences students learning and personalities in several ways:

- Research provides students with an understanding of what it means to do mathematics and of mathematics as a living, growing field.
- Students develop mastery of mathematics topics. We don't learn the basics by studying the basics but by being engaged in rich activities which require them. Research involves repeated application of technical skills.
- Students develop their own mathematical aesthetic as they practice making choices about which aspects of a problem to investigate.
- Students develop confidence as mathematical thinkers and enthusiasm to do more mathematics.
- Doing research is challenging and can be frustrating.
- The habit of looking for counterexamples to claims is a core skill for critical thinkers in all aspects of life.

Klaus Denecke is a professor at the University of Potsdam, Institute of Mathematics, an Editor of SCMJ, and an Editor of Notices from the ISMS.

For many participants in the conferences of young algebraists it is the first time to present their own research results to an international audience of mathematicians. So, we invite as well experienced researchers and good speakers which are able to show the young participants in which way we have to give our presentation. Mentors can help in a number of ways. They can

- make suggestions about next steps,
- ask clarifying questions about the student's mathematical statements,
- help students to learn how to prove their claims,
- provide emotional support such as encouragement, perspective, and advice,
- identify resources.

During the conferences there is always enough time to ask questions, to make critical remarks and to give suggestions.

In the evening sessions we discussed problems of general interest as

- How to prepare a good presentation of my research result? What is a good presentation?
- How to write a mathematical text?
- How to apply for a project and how to find financial sources for a project?

After twenty years, several former participants are now experienced researchers in our field.

Now we are organizing the conferences of young algebraists once a year in Germany, Austria, Czech Republic or Poland.

In 2000 we started a similar activity in Thailand together with former Ph.D. students and cooperators from the University of the Thai Chamber of Commerce in Bangkok, the Khonkaen University, the University of Mahasarakham, the Chiangmai University, the Silpakorn University in Nakhon Pathom and the Naresuan University in Pitsanulok.

In Europe there is another series of conferences on general algebra - the workshops on general algebra (Arbeitstagung Allgemeine Algebra, AAA).

The traditional AAA was founded in 1970 by Rudolf Wille, Technical University Darmstadt. Since then, twice a year researchers meet each other to exchange their views and results in algebra and related topics.

After the German reunification it was intended to merge this conference series with similar activities in East Germany such as the "Arbeitstagung Algebra and Grenzgebiete" (organized by Hans-Jürgen Hoehnke) and in particular, with the "Tagung junger Algebraiker" (Conferences of Young Algebraists/CYA) that was regularly held at Potsdam University (organized by my group of algebraists).

The following list gives some information on the previous conferences of young algebraists:

1. CYA, Potsdam, March 20, 1986
13 speakers from Leipzig, Köthen, Magdeburg, Potsdam and Rostock, 3 participants from Opole (Poland)
2. CYA, Potsdam, May 14, 1987
14 speakers from Greifswald, Erfurt, Dresden, Güstrow, Halle, Leipzig, Rostock, participants from Opole (Poland) and Blagoevgrad (Bulgaria)
3. CYA, Potsdam, May 12, 1988
18 speakers from Rostock, Dresden, Erfurt, Halle and Potsdam participants from Opole (Poland), Bratislava (former Czechoslovakia) and Blagoevgrad (Bulgaria)

4. CYA, Potsdam, May 18-19, 1989
17 speakers from Dresden, Rostock, Magdeburg, Potsdam, Opole, Blagoevgrad
5. CYA, Potsdam, May 17-18, 1990
19 speakers from Dresden, Rostock, Potsdam, Stuttgart, Halle, Opole, Blagoevgrad
6. CYA, Potsdam, May 10-11, 1991
11 speakers from Dresden, Halle, Rostock, Potsdam; invited speakers: R. Göbel (Essen), M. Ferrero (Brasil), U. Kimmerle (Stuttgart)
7. CYA, Potsdam, May 15-16, 1992
18 speakers from different universities in Europe; invited speaker: A. Szendrej, Szeged (Hungary), (Survey lecture on finite axiomatizability of finite algebras)
8. CYA, Potsdam, May 14-15, 1993
11 speakers; invited speakers: R. Göbel (Essen), R. Wisbauer (Düsseldorf)
9. CYA, Potsdam, April 22-23, 1994
18 speakers; invited speakers: R. Göbel (Essen), S.E. Schmidt (Mainz), P. Burmeister (Darmstadt)
The 9. CYA included a workshop on the question: What is the clone of a quasivariety? Under the participants: J. Adamek (Braunschweig) and V. Trnkova (Prag).
10. CYA, Potsdam, March 23-25, 1995
22 speakers; invited speakers: R. Göbel (Essen), S.E. Schmidt (Mainz), R. Bodendieck (Kiel), E. Graczyńska (Wrocław).
11. CYA, Potsdam, February 16-18, 1996
24 speakers; invited speakers: M. Volkov (Ekaterinburg), I. Chajda (Olomouc), R. Bodendieck (Kiel)
12. CYA (53. AAA), Dresden, February 7-9, 1997
13. CYA (55. AAA), Darmstadt, November 7-9, 1997 (dedicated to the 60th birthday of Rudolf Wille)
14. CYA (57. AAA), Potsdam, February 5-7, 1999
15. CYA (59. AAA), Potsdam, February 4-6, 2000
invited speakers: A. Romanovska (Warsaw), M. Deza (Paris)
16. CYA (61. AAA), Darmstadt, February 2-4, 2003
17. CYA (63. AAA), Kaiserslautern, February 22-24, 2004
18. CYA (65. AAA), Potsdam, March 21-23, 2003
19. CYA (67. AAA), Potsdam, March 26-28, 2004
invited speakers: Sh. Gosh, J. Almeida, M. Semenova, A. Pinus, K. Głazek

20. CYA (69. AAA), Potsdam, March 18-20, 2005
invited speakers: M. Droste (Leipzig), Ch. Holland (Bowling Green), M. Ito (Kyoto), M. Kilp (Tartu), A. Pinus (Novosibirsk), A. Rhemtulla (Edmonton), M. Steinby (Turku)
21. CYA (71. AAA), Bedlęwo (Poland), February 9-12, 2006
under the invited speakers: J. Smith (Ames) , R. Willard (Waterloo, Ontario)

We are looking forward seeing you at the next conferences:

22. CYA (73. AAA), Klagenfurt (Austria), February 1-4, 2007
74. AAA Tampere (Finland), June 7-10, 2007
23. CYA (75. AAA), Darmstadt (Germany), November 1-4, 2007
76. AAA Linz (Austria), May 22-25, 2008
24. CYA (77. AAA), Potsdam, Februar 2009
(dedicated to K. Denecke)
78. AAA Bern (Switzerland), June 11-14, 2009
25. CYA (79. AAA), Olomouc (Czech Republic), February 2010

The 73rd AAA / 22nd CYA meeting in this series will be held at the Department of Mathematics of Klagenfurt University, Austria, February 1 (evening) - 4 (lunchtime), 2007.

Colleagues which are interested in participating, are cordially invited to fill in the online registration form available from mid of November 2006. They will be informed in a second announcement on further details like the schedule of lectures in January 2007. The scientific program will start Friday, February 2, at 9 a.m. and will end Sunday, February 4, probably at 1 p.m. On Thursday evening, February 1, there will be a welcome reception.

The following sections are planned:

- * Universal Algebra and Lattice Theory
- * Classical Algebra
- * Applications of Algebra

It is intended to publish the proceedings of the conference as volume 18 in the series "Contributions to General Algebra". As usual all papers for this volume will be refereed. If there are further questions please use e-mail: aaa73@uni-klu.ac.at or write to:

Workshop on General Algebra
Universitaet Klagenfurt, Institut für Mathematik
Universitaetsstraße 65, A-9020 Klagenfurt, AUSTRIA
fax: +43-(0)463 2700/3199

Latest information can be found under: <http://www.uni-klu.ac.at/aaa73>

**Department of Mathematical and Statistical Sciences, University of Alberta
Edmonton, Alberta, Canada**

Communicated By Anthony To-Ming Lau

The University of Alberta is located in the heart of the city of Edmonton. Edmonton is the capital city of Alberta with a population of 875,000. The university will be celebrating its one hundredth birthday in the year 2008. It has a student population of more than 35,500 in more than 200 undergraduate programs and 170 graduate programs.

The Department of Mathematical and Statistical Sciences is one of the largest departments on campus. It was one of the original five departments of the university established in 1908. During the first fifty years of its inception, the mission of the department was mainly focused on undergraduate teaching. In the mid-fifties and early sixties, graduate training had become part of the department. The first M.Sc. degree was awarded in 1954 and the first Ph.D. was awarded in 1961. Since then, the graduate programs have been continually developed and expanded. Over its ninety-eight year history, the department has emerged from an undergraduate teaching unit to one of the country's strongest leading institutions in graduate programs and research in mathematics and statistics. Presently we have over 100 graduate students in the five areas of concentration: pure mathematics, applied mathematics, statistics, mathematical physics and financial mathematics.

The department has over 60 regular faculty members with a broad range of research areas in pure mathematics (algebra, functional analysis, classical analysis, geometry, topology), applied mathematics (fluid dynamics, numerical analysis and scientific computing, mathematical biology, differential equations and dynamical systems and statistics (biostatistics, probability and stochastic process, statistics), mathematical physics, financial mathematics and actuarial sciences. A vast majority of our regular faculty members are highly active researchers. Over 90% of them have been awarded research funding from NSERC, our national funding agency, based on a very competitive peer-reviewed process.

Our undergraduate programs include: four-year honours programs in mathematics, applied mathematics, mathematics and economics and statistics; a four-year specialization program in mathematics, mathematics and economics, statistics, mathematics and finance, actuarial science and computation science.

Anthony To-Ming Lau is a professor at the University of Alberta, Institute of Mathematics, an Editor of SCMJ, and an Editor of Notices from the ISMS.

Communications

(1) Announcement of Meetings in Topology

Communicated by Gerhard Preuss*

July 2007

Summer Conference on Topology, and its Applications 2007 Unibversitat Jaume I, Castellón, Spain.

Organizers: J. Font, J.Galindo, S.Hernandez, S.Macario, M.Sanchis, A.Rodenas

See: www.sumtop07.uji.es

August 6-August 12, 2007:

International Conference on Quantum Topology, Hanoi Institute of Mathematics
Hanoi, Vietnam

Description: The conference aims to educate young researchers in Quantum Topology, Discuss new developments in the area, and bring together different points of view of Geometry, Topology, Algebra, and Quantum Field Theory.

Organizers: Do Ngoc Diep and Nguyen Viet Dung (Institute of Mathematics, Hanoi, Vietnam), Stavros Garoufalidis and Thang Le (Georgia Tech).

Scientific Committee: C.Gordon, University of Texas, Austin, V.Jones, University of California, Berkeley, V.Trraev, University of Strasbourg.

See: <http://www.math.gatech.edu/~stavros/vietnam.html>

(2) Announcement of QTNA 2007

Communicated by Wuyi Yue**

The Second Asia-Pacific Symposium on Queueing Theory and Network Applications (QTNA2007)

August 1-August 4, 2007 International Conference Center, Kobe, Japan

Theme and Scope

Today, the key research issues towards next generation multimedia networks are how to ensure media-dependent Quality of Service (QoS) to users. For the proper design, development and operation of emerging ideas on networking further studies on performance modeling and evaluation reflecting from the above point are encouraged. To this end, interdisciplinary researches on performance analysis and system management of communication networks are inevitable. Among many related disciplines, networking, traffic engineering, queueing theory, stochastic process theory, optimization theory, and simulation technology play a crucial role.

Therefore, we started this series of Symposia for the first time in Korea in 2006 to cultivate mutual friendship among researchers from Asia-Pacific countries, and following the success of the first Symposium we organize the second one in Kobe, Japan in 2007. This Symposium offers an open forum to exchange the latest research accomplishments among academia and industries, which hopefully leads to innovative ideas.

The meeting is organized by the Institute of Intelligent Information and Communications Technology (IICT) of Konan University, Japan, and supported by Operation Research Society of China (ORSC), Operational Research Society of Hong Kong (ORSHK), Operations Research Society of Japan (ORSJ), Korean Operations Research and Management Science Society (KORMS), Operations Research Society of Taiwan (ORSTW), Korean Institute of Industrial Engineers (KIIK), and International Society for Mathematical Sciences(ISMS)

Webpage of QTNA2007 is: <http://www.iict.konan-u.ac.jp/QTNA2007/>.

*Gerhard Preuss is a professor at the Freie Universität Berlin, FB Mathematik, an Editor of SCMJ, and an Editor of Notices from the ISMS.

**Wuyi Yue is a professor of Konan University, an Editor of SCMJ, and an Editor of Notices from the ISMS.

Topics

Expected subjects are, but not limited to, the following and related topics:

(1) Queueing Theory and related Areas

- Matrix analytic methods, • Queueing analysis of scheduling policies,
- Tail asymptotics in queueing models , • Large deviation theory
- Analysis of multi-class queueing networks, • Optimization of queueing systems
- Simulation of queueing models , • Capacity planning methods,
- Source modeling for multi-media traffic and web-based applications
- Traffic measurement and data analysis, • Algorithms for self-organized optimization ,
- Performance evaluation and simulation tools

(2) Applications in Telecommunication Networks

- Performance modeling and analysis of telecommunication networks ,
- Congestion and flow control , • Traffic management and routing ,
- Design and system management of communication networks ,
- Multimedia based system design, configuration and impact ,
- Cost benefit analysis and economic impact of telecommunication systems ,
- Mobile/wireless and satellite communication systems ,
- Traffic models of voice, video and streaming , • QoS of VoIP ,
- Ad-hoc and sensor networks , • Peer-to-peer communication ,
- Performance of autonomic and ambient networks ,

Organizing Committee

Wuyi Yue (Konan Univ., Japan, Chair),

Hsing Paul Luh (National Chengchi Univ., Taiwan, Co-chair)

Bong Dae Choi (Korea Univ., Korea), Hideaki Takagi (Tsukuba Univ., Japan)

Yutaka Takahashi (Kyoto Univ., Japan), Dequan Yue (Yanshan Univ., China)

David D. Yao (The Chinese Univ. of Hong Kong, Hong Kong)

Technical Program Committee

Yutaka Takahashi (Kyoto Univ., Japan, Chair),

Hideaki Takagi (Tsukuba Univ., Japan, Co-chair)

Important Dates

May 7, 2007 The deadline for Papers (or Extended Abstracts) submission

June 4, 2007 Acceptance notification for the Papers

July 2, 2007 The deadline for submitting Final Manuscripts for the proceedings

August 1-August 4, 2007 Dates of the Symposium

Papers (or Extended Abstracts)

Papers (or extended abstracts) should be written in English with a maximum length of 10 (or 3) printed pages including figures and tables. For your submission you can download templates for

LaTeX and MS-Word formats found at <http://www.iict.konan-u.ac.jp/QTNA2007/>

The first page of your manuscript should include the following information.

(1) Title of the paper ,(2) Name(s) and affiliation(s) of the author(s) ,

(3) Postal address ,(4) Phone and fax numbers ,(5) E-mail address(es) of the author(s)

Correspondence

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TEL: +81-78-431-4341, FAX: +81-78-435-2391, E-mail: QTNA2007@iict.konan-u.ac.jp

(3) The 7th International Conference on Optimization (ICOTA 7)

Communicated by Wuyi Yue

The 7th International Conference on Optimization (ICOTA 7) : Techniques and applications

December 12-December 15, 2007, International Conference Center, Kobe, Japan

The International Conference on Optimization : Techniques and Applications (ICOTA7) is an official conference series of POP (The Pacific Optimization Research Activity Group). The goal of ICOTA is to provide an international forum for scientists, researchers, software developers, and practitioners to exchange ideas and approaches, to present research findings and state-of-the-art solutions, to share experiences on potentials and limits, and to open new avenues of research and developments, on all issues and topics related to optimization and its applications.

Topics

Topics that are of interest to ICOTA7 include (but not limited to) those listed in the following:

- Optimization theory and numeral algorithms in linear programming, nonlinear programming, integer programming, network optimization, semi-definite programming, stochastic programming, dynamic programming, optimal control, global optimization, nonsmooth optimization, semi-infinite programming, multi-objective optimization, variational inequalities, complementarity problems, and mathematical programs with equilibrium constraints
- Algorithms design, analysis and implementation of traditional mathematical programming methodology and modern techniques such as meta-heuristics for combinatorial and continuous optimization
- Applications in engineering, nonlinear systems, stochastic systems, control, data/text mining from large databases, intelligent information and technology, systems science, knowledge management, information and communication networks, transportation, scheduling, logistics, finance, game theory, industrial engineering, management science, and operations research

Registration Fee

On/Before Sep. 20, 2007 Regular JPY45,000 Student JPY15,000

After Sep. 20, 2007 Regular JPY50,000 Student JPY20,000

A banquet ticket for accompanying person or a student is JPY5,000

The registration fee entitles participants to:

- 1) Attendance at the conference
- 2) Conference documents (CD-ROM and book of extended abstracts)
- 3) Social activities,
- 4) Coffee and tea breaks
- 5) Reception,
- 6) Banquet (on December 14, 2007)

The registration fee entitles students to:

- 1) Attendance at the conference
- 2) Conference documents (CD-ROM and book of extended abstracts)
- 3) Coffee and tea breaks,
- 4) Reception

and is only applicable to full time students

Correspondence and Inquiries

Please forward your name and email address to:

Office: Institute of Intelligent Information and Communications Technology (IICT), Konan University

E-mail: ICOTA7@iict.konan-u.ac.jp

ICOTA webpage is: <http://www.iict.konan-u.ac.jp/ICOTA7/>

Wuyi Yue is a professor of Konan University, an Editor of the SCMJ, and an Editor of the Notices from ISMS.

Plenary Speakers

Kristin P. Bennett	Rensselaer Polytechnic Institute
Lou Caccetta	Curtin University of Technology
Kalyanmoy Deb	Indian Institute of Technology
Francisco Facchinei	University of Rome La Sapienza
Satoru Fujishige	Kyoto University
Ya-xiang Yuan	Chinese Academy of Sciences

Important Dates

Extended abstracts Submission: August 1, 2007

Full papers submission: August 1, 2007

Note: the author who submits a full paper must also submit an extended abstract with the full paper together.

Notification of acceptance for extended abstracts and full papers :September 10, 2007

Early bird registration September 20, 2007

Camera-ready version for extended abstracts and full papers: October 15, 2007

Note: the author must submit both Camera-ready manuscripts of the extended abstract and the full paper if his/her full paper was accepted.

Conference: December 12-December 15, 2007

Special Issues

Selected papers presented at the conference will be published in special issues of the journals including:

- Pacific Journal of Optimization, • TBD
- Journal of Industrial and Management Optimization

ICOTA Steering Committee

Co-Chairs:

Alex Rubinov	University of Ballarat
Liqun Qi	City University of Hong Kong

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Hirokata Nakayama (Japan),	Panos Pardalos (USA)
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Kok Lay Teo (Australia),	Tamas Terlaky (Canada)
Michel Thera (France),	Chien Ming Wang (China)
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Xinmin Yang (China),	Ya-xiang Yuan (China)
Wuyi Yue (Japan)	

Organizing Committee

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Members:

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Alex Rubinov (Univ. of Ballarat), **Kok Lay Teo** (Curtin Univ. of Technology)

International Program Committee

Co-chairs:

Kok Lay Teo (Curtin Univ. of Technology), **Hirokata Nakayama** (Konan University)

Members:

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Henri Bonnel	University of New Caledonia
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David Gao	Virginia Technology University
Satoshi Ito	Institute of Statistical Mathematics
Hubertus Jongen	RWTH Aachen University
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Hiroshi Konno	Chuo University
Takahito Kuno	University of Tsukuba
Donghui Li	Hunan University
Duan Li	Chinese University of Hong Kong
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Siegfried Schaible	University of California, Riverside
Kiyotaka Shimizu	Keio University
Jie Sun	National university of Singapore
Yutaka Takahashi	Kyoto University
Tamaki Tanaka	Niigata University
Tetsuzo Tanino	Osaka University
Pham Dinh Tao	National Institute for Applied Sciences
Huifu Xu	University of Southampton

Local Committee

Chair: Masahiro Tanaka, Konan University

Conference Coordinator: Akiyoshi Wakatani, Konan University

Publication Coordinator: Naoya Nitta, Konan University

Members: Keiji Tatsumi, Osaka University, **Masahiro Wada,** Konan University

Eiji Watanabe, Konan University, **Nobuo Yamashita,** Kyoto University

Secretary: Ukiko Sagami, Konan University

The ISMS

Bylaws 2007

In the September 2006 issue of Notices from the ISMS, we announced the draft of Bylaws 2007 and also the schedule for enacting it and the following officers election. However, for various reasons, including IT system's trouble the publication of the issue was delayed and we have changed our schedule as follows.

- (1) Vote by way of www by the ISMS members with the deadline of **December 20, 2006**.
- (2) Announcement of the result of (1) (January 2007 issue)
- (3) Acceptance of candidates for the additional officers with the deadline of **February 20, 2007**.
- (4) Announcement of the candidates in the March 2007 issue of Notices from the ISMS and start of voting.
- (5) Announcement of the result in the May 2007 issue of Notices from the ISMS.

The term of office of the newly added officers shall be from July 1, 2007 to June 30, 2009.

Call for Papers for SCMJ

Scientiae Mathematicae Japonicae(SCMJ) calls for excellent papers.

- (1) Authors can choose one of the editors in the Editors List and send their papers directly to him/her for refereeing which promises **quick refereeing and publication**.
- (2) If the SCMJ authors prepare their files in ISMS standard format (Js.), the lead time from acceptance to the online publication **will be extremely short or nil**.
- (3) In the proofreading is made by the SCMJ (Paper or TeX) author, we will publish the paper on the Web as soon as we receive the corrected galley proof.
- (4) The Journal is reviewed by **Mathematical Review and Zentralblatt from cover to cover**.

(A) Submission

Authors are requested to choose one of the editors in the SCMJ editors list and send their papers, satisfying all of the following conditions, **directly to the editor**. The editors list can be obtained from (i) URL:<http://www.jams.or.jp/> (ii) “Editorial Board” of SCMJ(Vol.60, No.1, July 2004).

Prepare **e-mail Form for Submission** and **three** hard copies of your paper, **three** hard copies of [Form for Submission](#), and send them as follows.

- **To the editor’s e-mail address**; Form for Submission (with the abstract)
- **To the editor’s postal address**; **Two** hard copies of your paper, **two** hard copies of the Form for Submission (with the abstract)
- **To the e-mail address of ISMS** (http://www.jams.or.jp/hp/submission_f.html); Form for Submission (with the abstract)
- **To the postal address of ISMS**; **One** hard copy and **one** Form for Submission

The received date of the paper is the date when the editorial office receives the paper together with the Form for Submission, and not necessarily the date when the editors receive them.

To e-mail Form for Submission is mandatory to support the editor-receive-system, not to waste the precious research time of the editors and promote efficiency in the editorial procedure.

(B) Abstract

Every paper should contain an abstract. Try to limit your abstract to 20 lines when typed in TeX. The abstract should be a kind of mini research announcement which is **self-contained** and gives **the overview** of your paper. Abstracts of accepted papers are **very rapidly displayed** on ISMS home page and are announced **all over the world via Internet**. Abstracts in Paper Form and E-mail Form should be typed in **Text file**. If it is inevitable for you to use symbols in the abstract, you may make it in a TeX source file indicating **the kind of TeX** as notes, for example, (via LaTeX2e).

(C) Data

The full postal address, telephone and facsimile numbers, e-mail address of the author should be specified at the bottom of the last page of the manuscript. 2000 AMS Subject Classification and Keywords should be written both in Paper, E-mail Form and at the **footnote** on the first page of the manuscript.

(D) Receipt

ISMS will send a letter of receipt when we receive a hard copy, a Paper Form and E-mail Form (if the author has e-mail facility). The received date is to be specified in the letter.

(E) Revision

If revision of your paper is necessary, the editor informs you directly. When you revise abstract of your paper in that case, you should send new Paper Form with new abstract and E-mail Form with new abstract also.

(F) Acceptance or Rejection, Page Charges

ISMS will inform authors of **acceptance or rejection** of their papers **by e-mail**.

Author should choose one of the following 3 types of his final draft he will send after acceptance of his paper, (1) **P**: Paper draft only (2) **T**: Paper prepared using TEX and its source file (3) **Js**: Paper prepared using TEX with ISMS style file, and its source file.

List of the page charges for SCMJ (2007 year)

	Individual/ Associate Member	Non Member
Paper : P	\3,850(US\$35, €28)	\4,450(US\$43, €35)
TEX : T	\2,200(US\$18, €14)	\2,800(US\$26, €21)
Js : Js	\1,100(US\$8, €7)	\1,700(US\$16, €14)

The above page charges include 20 offprints. The additional page charge may be required for the figures contained in the papers. For more information, see our Web Page.

1) **Js** (ISMS style TeX) files mean the files which are ready for publication without any process by our Publication Dept. Please note whether the file meets the requirement of the ISMS style or not **is judged by ISMS Publication Dept.** Js files can be made using the ISMS style file for AMS-LaTeX, LaTeX, or LaTeX2e, which can be downloaded from ISMS Web Page. AMS-TeX files cannot be **Js files** any more.

The procedure to make Js files :

- (a) Prepare your paper in AMS-LaTeX, or LaTeX.
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(G) After Acceptance

If the paper is accepted, P authors are requested to send the following (1) & (2), T and Js authors (1) – (4).

(1) A hard copy of the final draft(for publishing)

- (2) Paper Form for WWW
- (3) The source file of the final draft in TeX, by e-mail or on diskette.
- (4) E-mail Form for WWW

(H) Proofreading

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Form for Submission (from 2007)

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ABSTRACT	

Call for Academic and Institutional Members

Discounted subscription price: When organizations become the Academic and Institutional Members of the ISMS, they can subscribe our journal *Scientiae Mathematicae Japonicae* at the yearly price of US\$300. At this price, they can add the subscription of the online version upon their request.

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To apply for the Academic and Institutional Member of ISMS, please use the following application form.

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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 an ISMS 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 ISMS 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 2007

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 €96	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

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8. Panel (Please choose one out of the following 12 panels and write the panel number. You could choose one or more.)
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 - (e-2) Algebra, Algebraic Geometry, Number Theory, Combinatorics, Cryptology.
 - (e-3) Topology, Geometry, Imaging.
 - (e-4) Real Analysis, Functional Analysis, Complex Functions.
 - (e-5) Differentiation Equations, Integral Equations, Functional Equations.
 - (e-6) Fluid Dynamics, Rheology, Imaging and other Applied Analysis, Control Theory, Numerical Analysis, Simulation.
 - (e-7) Probability, Statistics, Data Mining, Decision theory. Quality Control.
 - (e-8) Game, Finance, Operations Research, Mathematical Economics. Ecology
 - (e-9) Informatics, Computer Sciences.
 - (e-10) Biomathematics, Neuroinformatics, Genome Sciences, Nanoscience.
 - (e-11) Mathematical Education, History of Mathematics.
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ISMS Publications: We published **Mathematica Japonica (M.J.)**, which enjoyed an international reputation, for about sixty years in print and its offshoot **Scientiae Mathematicae (SCM)** both online and in print. In January 2001, the two publications were unified and changed to **Scientiae Mathematicae Japonicae (SCMJ)**, which is the “21st Century New Unified Series of Mathematica Japonica and Scientiae Mathematicae” and published both online and in print. Ahead of this, the online version of SCMJ was first published in September 2000. The number of the annual total pages of the print version has been from 900 to 1,200 pages in six issues since January 1978. The whole number of SCMJ exceeds 240, which is the largest amount in the publications of mathematical sciences in Japan.

The features of SCMJ are:

- 1) About 90 eminent professors and researchers of not only Japan but also 20 foreign countries join the Editorial Board. The submitted papers are received directly by the editors and are refereed quickly. The accepted papers are published online with no lead time after compiling or proofreading. SCMJ is reviewed by *Mathematical Review* and *Zentralblatt* from cover to cover.
- 2) SCMJ is distributed to many libraries of the world. The papers in SCMJ are introduced to the relevant research groups for the positive exchanges between researchers.
- 3) The original papers and surveys of distinguished mathematical scientist appear in every issue of SCMJ. The section called “International Plaza” of SCMJ has very interesting expository papers written by the eminent mathematical scientist of the world. Presentations of recent research frontier including award lectures by the winners of the ISMS Prize or Shimizu Prize are made.
- 4) **ISMS Annual Meeting:** Many researchers of ISMS members and non-members gather and take time to make presentations and discussions in their research groups every year.
- 5) The ISMS holds inter-regional videoconferences called **International Videoconference of Mathematical Sciences (IVMS)** via internet. There is no need for the participants to travel abroad.

Privileges to ISMS Members: (1) Free access (including printing out) to the online version of SCMJ, (2) Discounted price for the printed version of SCMJ (See **Table 1**), (3) Discounted page charges (See **Table 2**).

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Table 1: Subscription Price (from 2007)

	Individual 1-year mem.	Individual 3-year mem.	Institutional member	List Price
Print / year	¥6,000 US\$60, 48	¥5,500 * US\$55, 44	¥33,000 US\$300, 240	¥45,000 US\$400, 320
Online/year	Free	Free	—	—
Online+Print / year	¥6,000 US\$60, 48	¥5,500 * US\$55, 44	¥33,000 US\$300, 240	¥45,000 US\$400, 320

Postal charge is US\$2 (€1.6) per issue. *In case three-year members make the payment at a time in advance, the price for 3 years is ¥15,000 (US\$150, €120). The authors can buy a copy of the print version at a price of ¥1,200 (US\$12) per issue including postage.

Table 2: Page Charge per printed page

	Individual/Associate Member	Non Member
Paper : P	¥3,850 (US\$35, 28)	¥4,450 (US\$43, 35)
TeX: T	¥2,200 (US\$18, 14)	¥2,800 (US\$26, 21)
ISMS style: Js	¥1,100 (US\$8, 7)	¥1,700 (US\$16, 14)

The above page charges include 20 offprints.

Table 3: Membership Dues for this year

Categories	Domestic	Overseas	Developing countries
1-year member (1A)	A1: ¥7,000	F1: US\$50, 40	D1: US\$30, 24
3-year member (3A)	A3: ¥18,000	F3: US\$120, 96	D3: US\$70, 56
1-year students or aged (1S)	SA1: ¥3,500	SF1: US\$30, 24	SD1: US\$20, 16
3-year students or aged (3S)	SA3: ¥9,000	SF3: US\$70, 56	SD3: US\$50, 40
Life member* (L)	AL: ¥70,000	FL: US\$600, 480	DL: US\$500, 400

*The members who have been the ISMS members for more than 10 years are eligible for this category.

The categories 1S and 3S are for students or persons over 70 years old.