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August 2000

IMS

INDIAN MATHEMATICAL SOCIETY

N E W S L E T T E R   No. 10

A u g u s t   2000

INDIAN MATHEMATICAL SOCIETY
66th ANNUAL CONFERENCE
(December 19, 2000 to December 22, 2000)

The 66th Annual Conference of the Indian Mathematical Society will be held at Vivekanand Arts, Sardar Dalipsingh Commerce & Science College, Aurangabad—431 001, from 19th December, 2000 to 22nd December, 2000 under the Presidentship of Professor Satya Deo, Vice-Chancellor, A.P.S. University, Rewa. Papers intended for presentation at the Conference should be sent to the Academic Secretary, Prof. N.K. Thakare, Poona University, Pune—411 007, so as to reach him not later than the 31st October, 2000 (after which date no papers will be accepted).

Papers submitted for presentation should be typed on quarto size paper in double spacing and should be accompanied by an Abstract on the enclosed printed form. Abstract should be brief and should not exceed 250 words. The use of formulae and symbols should be minimized. Every paper submitted for presentation should be classified, as far as possible, according to the following classification scheme and the same should be prominently displayed in red ink on the right hand top corner of the abstract :

(A) Combinatorics, Graph Theory and Discrete Mathematics

(B) Algebra, Number Theory and Lattice Theory

(C) Real and Complex Analysis (including Special Functions, Summability and Transforms)

(D) Functional Analysis

(E) Differential Equations, Integral Equations and Functional Equations

(F)   Geometry

(G)   Topology

(H)   Measure Theory, Probability Theory and Stochastic Processes, and Information Theory

(I)   Numerical Analysis, Approximation Theory and Computer Science

(J)   Operations Research

(K)   Solid Mechanics, Fluid Mechanics, Geophysics and Relativity

(L)   Electromagnetic Theory, Magneto-Hydrodynamics, Astronomy and Astrophysics

(M)   Bio-Mathematics

(N)   History and Teaching of Mathematics

Papers should be sent by registered post with the words "For the 66th IMS Conference" written in a box on the right hand top corner of the envelope. A stamped self-addressed envelope should be enclosed for acknowledgement/acceptance of the paper for presentation at the Conference. A copy of the paper and the abstract should be retained by the author and brought for use at the time of the Conference as it would not be possible for the Society to make the paper available at the Conference.

Every author intending to present a paper should either be a member of the Society or should register himself as a sessional member. In case of joint authors, both the authors must be either members or should become sessional members. Non-members wishing to become members can do so. by paying Rs.100/-. Those wishing to become sessional members can do so by paying Rs. 80/-. The dues can be paid to the Honorary Treasurer, Dr. (Miss) S.P. Arya, Maitreyi College, Bapu Dham Complex, Chanakya Puri, New Delhi — 110 021 by sending a payee's a/c bank draft payable to the Indian Mathematical Society so as to reach her by December 10, 2000. After this date, applications for becoming sessional members will be accepted only at the venue of the Conference in Aurangabad during 19th to 22nd December, 2000.

Acceptance of a paper for presentation does not automatically imply its acceptance for publication in the Journal of the Indian Mathematical Society or the Mathematics Student. In case an author wants a paper to be considered for publication in either of these periodicals, he should submit the same separately to the Editor concerned.

Correspondence pertaining to arrangements for stay at Aurangabad during the Conference and back reservation etc. should be addressed to Professor S.K. Nimbhorkar, Local Secretary IMS Conference and Head, Dept. of Mathematics, Dr. B.A.M. University, Aurangabad — 431 004.

AMU prize for the year 2000 will be awarded for the best paper presented at the Conference in the area of Algebra.

Professor V.M. Shah Prize will be awarded for the best research paper presented in the area of Analysis.

Six IMS Prizes, one in each area, will be awarded for the best research paper presented in each of the following areas :

Algebra, Number Theory, Fluid Dynamics, Topology, Operations Research, Discrete Mathematics.

Each of the eight prizes listed above carries a certificate and a cash award of Rs. 1000/- . The upper age limit for a candidate for any of the above awards for 2000 is 40 years as on December 31, 2000.

Only members of the Society are eligible for consideration for the above prizes.

(1) The papers to be presented for consideration for a prize shall have to be : (a) under single authorship; (b) preference will be given to independent work at the post-doctoral level; (c) the work must have been carried out in India; (d) stress will be on both quality of research as well as performance during presentation.

(2) Two copies of full paper alongwith the abstract in triplicate (not exceeding 250 words) shall have to reach Professor R.P. Agarwal, General Secretary IMS, B1/201 Nirala Nagar, Lucknow, not later than October 31, 2000. At the top of each copy of the paper and its abstract, the name of the prize as also the Section where the paper is to be presented, should be indicated. Biodata, including full name and address alongwith the date of birth (duly supported by attested copy of

the high school certificate), research experience, list of publications, must be appended to the complete paper.

Should you require any other information or clarification, write to Prof. M.K. Singal, A-1, Staff Residences, C.C.S. University, Meerut – 250 004.

NOMINATION FOR ELECTION TO THE COUNCIL OF THE SOCIETY

The Council made the following nominations at its meeting held on the 19th December at Rewa :

PRESIDENT. Prof. P.V. Arunachalam, Vice-Chancellor, Dravidian University, Kuppam (A.P.) has been nominated for election to the office of the President of the Society for a period of one year w.e.f. 1st April, 2001 in the vacancy going to be caused by the retirement of Professor Satya Deo.

EDITOR, MATHEMATICS STUDENT. Professor Prof. H.C. Khare, Allahabad has been nominated for election to the office of the Editor, Mathematics Student for a period of three years w.e.f. 1st April, 2001.

ADMINISTRATIVE SECRETARY. Professor M.K. Singal, Meerut has been nominated for election to the office of the Administrative Secretary for a period of three years w.e.f. 1st April, 2001.

ACADEMIC SECRETARY. Professor N.K. Thakare, Pune has been nominated for election to the office of the Academic Secretary for a period of three years w.e.f. 1st April, 2001.

HONORARY TREASURER. Dr. (Miss) S.P. Arya has been nominated for election to the office of the Treasurer for a period of three years w.e.f. 1st April, 2001.

Professor C.K. Sharma (Rewa), Professor P.D. Srivastava (Kharagpur) and Professor Sunder Lal (Agra) have been nominated for election as additional members of the Council w.e.f. 1st April 2001 for a period of three years in the vacancies going to be created by the retirement of Prof. (Miss) Manjul Gupta, Prof. Hukum Singh and Prof. C.M. Joshi.

Any member of the Society may submit to the **Returning Officer,** Professor **R.P. Agarwal** an alternative list of names for some or all of

INSTRUCTIONS

Please follow the following instructions carefully to ensure smooth editing and printing of your Abstract :

(1) Please get the abstract typed.

(2) Use a minimum of mathematical symbols.

(3) Do not give a list of references as part of the abstract.

(4) Do not forget to classify your abstract.

(5) DO NOT WRITE YOUR FULL ADDRESS.

(6) DO NOT WRITE "ABSTRACT".

(7) DO NOT FORGET TO BEGIN WITH THE TITLE OF YOUR PAPER.

(8) At the end of the title, put a comma and write the name(s) of the author(s) in the same line. Put the name of the author's town in brackets after the author's name. If two (or more) authors are from the same town, mention the town only after the last author's name.

(9) Your abstract is likely to be rejected if any of these instructions (particularly 1, 2 and 7) is violated.

The abstract should be sent to Professor N.K. Thakare, Poona University, Pune—411 007, so as to reach him not later than October 31, 2000 (after which date no papers will be accepted).

INDIAN MATHEMATICAL SOCIETY

Name of the Author (s) :

Institution (s) :

Name of the Presenter :

Address for correspondence :

Please turn over for instructions.

The section (A, B, C, etc.) should be carefully chosen and entered in the space earmarked below.

ABSTRACT : The abstract must be accomodated in the following space in strict accordance with instructions overleaf.

Do not write the word "abstract" in the space below.

SECTION :

CLASSIFICATION CODE

The abstract to be classified into sections according to the following code :

(A) Combinatorics, Graph Theory and Discrete Mathematics

(B) Algebra, Number Theory and Lattice Theory

(C) Real and Complex Analysis (including Special Functions, Summability and Transforms)

(D) Functional Analysis

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(J) Operations Research

(K) Solid Mechanics, Fluid Mechanics, Geophysics and Relativity

(L) Electromagnetic Theory, Magneto-hydrodynamics, Astronomy and Astrophysics

(M) Bio-Mathematics

(N) History and Teaching of Mathematics

the above vacancies, only such nominations being considered valid as are supported in writing by a letter of consent from each one of the candidates proposed by a Member, so as to reach the Returning Officer not later than the 1st October, 2000.

The nomination made by the Council with an indication made to that effect, together with other valid nominations made by members of good standing of the Society shall be submitted by the Returning Officer to all members of good standing of the Society by means of ballot papers sent by post not later than 1st November, 2000 with instructions to be returned to him latest by the 15th December, 2000 (A member will be considered to be of good standing if his membership dues are not in arrears and if he has paid his dues for the current year by the 30th June, 2000).

The Returning Officer shall collect the ballot papers returned to him by the members upto 15th December and carry them to Aurangabad, the venue of the next Annual Conference, where they will be opened and counted by him in the presence of a Committee consisting of the President (or his nominee) and the other Secretaries. A simple majority shall determine the result of the election in each case.

The list of newly elected office-bearers and additional members of the Council shall be announced at the General Body Meeting going to be held during the Annual Conference. The new Council shall assume charge of its office with effect from the 1st April, 2001.

R.P. AGARWAL
General Secretary, IMS
& Returning Officer

PROCEEDINGS OF THE ANNUAL GENERAL BODY MEETING OF THE SOCIETY HELD AT REWA ON THE 21st DECEMBER, 1999, AT 5.00 PM

The annual General Body Meeting of the Indian Mathematical Society was held on the 21st December, 1999 at 5.00 p.m. at Rewa

under the Presidentship of Professor A.S. Gupta who started the meeting by welcoming the members.

The following business was transacted :

Item 1. The minutes of the General Body meeting held on December 20, 1998 were confirmed.

Item 2. Professor H.C. Khare, General Secretary of the Society reported as follows :

(1) The Society enrolled 31 Life members and 7 Ordinary members during the year.

(2) The Society organised a programme of Memorial Lectures at Delhi on April 14, 1999 in the memory of Professors B.N. Prasad, L.V. Ahlfors and Sir James Lighthill.

(3) The P.L. Bhatnagar Prize for the year 1999 is being awarded to Vaibhav Vaish, Lucknow. He won a gold medal at the 40th IMO held at Romania in July 1999.

Item 3. The Academic Secretary, Prof. N.K. Thakare elaborated on the various Academic programmes sponsored by the Society all over the country.

Item 4. Professor V.M. Shah, Editor JIMS reported about the publication of JIMS as follows :

Volume 66 (1999) of the Journal is being issued.

53 manuscripts are received during the year, out of which 16 are accepted, 25 are not accepted, 1 is withdrawn by the author and 11 are pending with the referees.

The editor would like to put on record his profuse gratefulness to the referees, and Professor M.K. Singal for his very painstaking help and cooperation.

Item 5. The Editor, Mathematics Student, Professor R.P. Agarwal reported as follows :

"Volume 67 (1998) is being despatched to the members. Volume 68 (1999) is with the press and is expected to be ready shortly.

The Editor would like to place on record his grateful thanks to all the authors and the Press in Meerut. "

Item 6. The Treasurer of Society, Dr. Miss S.P. Arya presented the statement of Audited Accounts for the year 1998-1999 and the Annual Budget for 2000-2001 which were approved.

Item 7. The President informed the members that the venue of 66th Annual Conference of the Society has not been finalized and will be announced later on.

Item 8. The President announced the results of election as follows :

(a)	President for 2000-2001	Prof. Satya Deo
(b)	Three additional members	Prof. S.L. Singh
	of the Council for a period of	Prof. T. Thrivikraman
	three years w.e.f. 1st April, 2000.	Prof. M.S. Saroa

The meeting came to an end with a vote of thanks to the Chair.

M.K. SINGAL
Administrative Secretary IMS
A-1, Staff Residences
C.C.S. University
Meerut — 250 004

R.P. AGARWAL
General Secretary IMS
B-1/201, Nirala Nagar
Lucknow

NOTICE OF THE ANNUAL GENERAL MEETING

The Annual General Body Meeting of the Indian Mathematical Society will be held on the 20th December, 2000 at 5 p.m. at Aurangabad to consider the following Agenda.

All members of the Society are requested to kindly attend the meeting.

R.P. AGARWAL
General Secretary
August 31, 2000   Indian Mathematical Society

AGENDA

1. Confirmation of Minutes of the General Body Meeting held on December 21, 1999.

2. General Secretary's Report for 2000.

3. Academic Secretary's Report for 2000.

4. Report of Editor of the Journal of the Indian Mathematical Society for 2000.

5. Report of Editor of the Mathematics Student for 2000.

6. Statement of Audited Accounts for 1999-2000 and Budget for the financial year 2001-2002.

7. Venue of the session to be held in December 2001.

8. Announcement of the results of the following elections :

    President for 2001-2002, Editor, Mathematics Student, Administrative Secretary, Academic Secretary, Hony. Treasurer and three additional members of the Council for three years w.e.f. April 1, 2001.

    (Members in good standing on or before June 30, 2000 are entitled to exercise vote.)

INDIAN MATHEMATICAL SOCIETY
LIST OF COUNCIL MEMBERS 2000-2001