National Youth Conference on Mathematics and Its Applications

Organized by

Nepal Mathematical Society (NMS)

in collaboration with

Tribhuwan University
Kathmandu University
Nepal Sanskrit University

Bhadra 26-28, 2076 (September 13-15, 2019)

Venue: Central Department of Mathematics, TU, Kritipur

Introduction

Mathematics plays an elementary role in society and it has tremendous applications in varieties disciplines, from natural to social sciences, and science and technology. The youth Mathematicians conference provides a platform to a various group of scientists not only in science and technology but also natural and health sciences, engineering, management and finance. The primary objective of the conference is to offer Mathematical students around the country in one platform to interact with each other, to share their knowledge and experiences as well as to exchange their innovative ideas views and discuss the topics of mutual interests in this challenging and widely applied area of mathematical sciences. To express all the ideas and knowledge in a written form so that others can take benefit of technical writing is necessary. The conference also offers the participants an opportunity to be familiar with the contemporary developments in the subject and acquaint the young participants with the research and other scientific activities.

Nepal Mathematical Society (NMS) [www.nms.org.np], a non-profit organization was established in 1979 in Nepal with the purpose to create a network of mathematicians throughout Nepal and abroad, for promoting mathematical research and education. NMS also promotes the professional ethics, creates opportunities for mathematicians, and advocates for their welfare. NMS has affiliations with various national and international networks such as AMS, IMU, SEAMS, Silkroad Mathematics Center, Beijing, China, and has recently become a member society of The Mathematics Consortium (TIMC), India. NMS has been conducting national and international conferences. From last year, it has its own peer reviewed journal, the Journal of Nepal Mathematical Society (JNMS).

Scope

The participants of NYCMA-2019 will get an opportunity to be familiar with basic concepts and developments of classical as well as modern mathematics through conference papers and workshop. They can get a platform to interact with each other, share knowledge, exchange views and discuss the topics of these thrust areas of mathematics.

This conference (NYCMA-2019) aims at

1) training a group of young students in the above mentioned areas.
2) acquainting the participants in the recent developments in these areas.
3) bringing several students together to interact.
4) promoting research interest and teaching pedagogy for the participants.

NYCMA-2019, mainly concentrate on

1. Student Talks: Oral and Poster Presentation of Students
2. A plenary talk in importance of mathematics: an opportunity and challenges in mathematics
3. Invited talks in popular topics of mathematics
4. Introduction of university/ campus representatives
5. Discussion of topic related to under graduate research in Mathematics
6. Panel Discussion between students and experts undergraduate Mathematics curricula.

Targeted Group: Bachelor's and Master level students related to Mathematics
Tentative Participants: 100

Program and Schedule

Program: Day-1	Bhadra 26, 2076
10.00 am - 11.00 am	**Conference Registration**
11:00 am - 12:00 pm	**Inaugural Session**
12:00 am - 12:20 pm	Group Photo Session
12:20 pm - 01:00 pm	High-tea
01:00 pm - 02:00 pm	**Workshop-1 (Keynote)**
02:00 pm - 03:20 pm	**Oral Session-1**
03:20 pm - 04:50 pm	**Panel Discussion between student and experts.**

Program: Day-2	Bhadra 27, 2076
10.00 am - 11.00 am	**Workshop-2**
11:00 am - 12:00 pm	**Workshop-3**
12:00 pm - 12:20 pm	Tea Break
12:20 pm - 02:30 pm	**Oral Session-2**
02:30 pm - 04:30 pm	**Poster Session-1 (High-Tea)**

Program: Day-3	Bhadra 28, 2076
10.00 am - 10.50 am	**Workshop-4**
10:50 am - 11:50 pm	**Workshop-5**
11:50 pm - 12:00 pm	Tea Break
12:00 pm - 02:00 pm	**Oral Session-2**
02:00 pm - 03:40 pm	**Poster Session-2 (High-Tea)**
03:40 pm -04:30 pm	**Closing Ceremony**

Call for Papers and Abstracts

The conference will try to cover all important aspects of the mathematical sciences and their applications. Papers related to research, expository articles to introduce recent mathematical advancements, and applications of mathematics are invited. Specific areas include analysis, topology, mathematics education, statistics, big data, optimization, operations research, quantitative finance, mathematical biology, biomedical science, biophysics, geophysics and public health. Interested participants are invited to submit their abstracts (**not exceeding 250 words)** to the **Member Secretary** of the scientific committee:

Dr. Dinesh Panthi (**email:** panthid06@gmail.com; +977-9841288132).

Participants can choose oral or poster presentation. The size of the posters are 3 fits by 4 fits.

Registration Fees

The registration fee cover, snacks, conference kits only (**but does not include transportation, accommodation and any other local costs**).

NRs 1000 Until Bhadra 6, 2076 (August 23, 2019) (**Early**)

NRs 2000 Until Bhadra 15, 2076 (September 1, 2019) **(Late)**

Mode of Payment

Payment is to be made by the participant through **bank draft**:

   Bank: Nepal Bank Limited, Kirtipur Branch, Kathmandu
   Account Holder: Nepal Mathematical Society
   Current Account Number: 04500100098942000001.
   Swift Code: NEBLNPKA

 For further query, please contact the
  NMS Treasurer, Mr. Ajay Kumar Chaudhary (**email:** akcsaurya81@gmail.com; +977-9851072304).

Prize: Best paper presentation and Best poster presentation award will be given.

Important Dates

Deadline to submit abstract: Shrawan 29, 2076 (August 14, 2019) [Wednesday]

Notification of abstract status: Bhadra 1, 2076 (August 28, 2019)

Registration open: Baisakh 2, 2076 (April 15, 2019)

Registration deadline: Bhadra 6, 2076 (August 23, 2019) **(Early)**

     Bhadra 15, 2076 (September 1, 2019) **(Late)**

Sponsorship

The sponsorship is solicited from

- University Grants Commission (UGC), Nepal
- Nepal Academy of Science and Technology (NAST)
- Mathematical Sciences Trust, Nepal
- Sukunda Pustak Bhavan (Publishers & Distributors)

Organizing Committee

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