

(NCMA-2019)

*First Announcement*

# National Conference on Mathematics and Its Applications



Organized by



**Nepal Mathematical Society (NMS)**

in collaboration with

Tribhuvan University (TU)

Kathmandu University (KU)

Nepal Sanskrit University (NSU)



Poush 28 - Magh 1, 2075 (January 12-15, 2019)

**Venue: Butwal Multiple Campus, Butwal**

## 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 conference provides a platform to a various group of scientists not only in pure mathematics but also in its applications to natural and health sciences, engineering, management and finance. The conference intends to bring together researchers from pure and applied mathematics and from a variety of many other disciplines, where mathematics find its numerous applications. The primary objective of the conference is to offer mathematicians, researchers and students around the globe 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. 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 mathematical activities.

**Butwal** (Nepali: बुटवल) is a big city in southern Nepal in Rupandehi District, which is the capital of Province-5 located at the longitude  $83^{\circ} 27' E$  and the latitude  $27^{\circ} 42' N$ . Geographically, Butwal is at the intersection of Nepal's two different National Highways, namely, Mahendra Highway and Siddhartha Highway. It connects Western Nepal with the capital Kathmandu through highway and air links (via airport at Siddharthanagar). It is one of the fastest growing cities in Nepal for education, infrastructure, highway, marketing, health and safety, communication, trade and banking sectors. Butwal can be the gateway to Pokhara and Chitwan, the two other main touristic places in Nepal. Butwal is also a connecting city between nearby tourist towns of Tansen, Kapilvastu, and Lumbini. Lumbini, the holy place for Buddhists and Hindus, and is the birthplace of Lord Buddha, the founder of Buddhism and the preacher of peace to the world, is about 40 km south of Butwal. Likewise, Devdaha, the place famous as the home of the maternal family of the Buddha, with ruins of ancient Buddha era palaces and artefacts, is 15 km to the east of the city. Similarly, Tansen, a very beautiful Newar hill station city is only about 30 km to the north. Taulihawa, the ancient kingdom of Buddha's dynasty, with its Buddha era palace ruins, is 50 km west of Butwal. The nearby temple Siddhababa, similarly and ostrich farm house are the famous touristic and attractive places.



**Nepal Mathematical Society** (NMS) [[www.nms.org.np](http://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).

**Central Department of Mathematics** (CDM), TU [[www.cdmathtu.edu.np](http://www.cdmathtu.edu.np)], the oldest department in the history of science education at Tribhuvan University (TU) in Nepal, established on September 20, 1959. CDM mainly conducts graduate (MSc) and post-graduate (MPhil and PhD) programs and engaged itself into academics and research activities.

**Kathmandu University** (KU) [[www.ku.edu.np](http://www.ku.edu.np)], established by an Act of Parliament on December 1991, is an autonomous, not-for-profit, non-government institution dedicated to maintain high standards of academic excellence. At present, KU offers various undergraduate, graduate and postgraduate programs in science, engineering, medicine, management, education, arts, pharmacy, environment, music, human & natural resources, law, information technology and biotechnology, through School of Science, School of Management, School of Engineering, School of Medical Sciences, School of Education, School of Arts and School of Law. KU has well-strength mathematics faculties almost all with PhD's, and the faculties are dedicated on various research activities. MPhil and PhD in Mathematics at KU are well-established programs. With the objective for Computational knowledge in Mathematics, which is now globally getting popularity, Department of Natural Sciences under the School of Science has launched Computational Mathematics Program in 2017.

**Nepal Sanskrit University** (NSU) [[www.nsu.edu.np](http://www.nsu.edu.np)] aims at producing qualified scholars to safeguard national culture and produce competent man power in Ayurveda, Jyotisha, Yogic Sciences, and naturopathy along with Sanskrit Scholars to meet the national and international needs. Research Center a separate wing, is to carry research works, which runs PhD programs along with mini researches in various disciplines of Sanskrit related subjects including mathematical sciences and vedic mathematics. NSU runs various classes from Shastri level to Acharya level of Sanskrit literature with some modern subjects including mathematics and statistics. There are some subjects like Siddhanta Jyotisham which is full of geometry and mathematics.

## Scope

The participants of NCMA-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 aims at

- 1) training a group of young scientists/ faculties in the above mentioned areas.

- 2) acquainting the participants in the recent developments in these areas.
- 3) bringing several experts together to interact.
- 4) promoting research interest and teaching pedagogy, especially for the local participants.

## 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](mailto:panthid06@gmail.com); +977-9841288132).

Participants can choose the oral or poster presentation. However, the scientific committee may decide the category once the abstract is accepted. The time for oral presentation and the size of the posters are informed later via e-mails. The invited speakers are some leading experts in their respective fields.

Presented papers can be submitted in conference proceeding of NCMA-2019 to **Member Secretary of Scientific Committee**:

**Dr. Dinesh Panthi** (email: [panthid06@gmail.com](mailto:panthid06@gmail.com) Ph: 00977-9841288132)

## Important Dates

**Deadline to submit abstract:** Poush 1, 2075 (December 16, 2018) [Sunday]

**Notification of abstract status:** Poush 5, 2075 (December 20, 2018) [Thursday]

**Registration open:** Ashwin 14, 2075 (September 30, 2018)

**Registration deadline:** Poush 8, 2075 (December 23, 2018) (**Early**)

Poush 20, 2075 (January 4, 2019) (**Late**)

## Accommodation

The registered delegates are suggested to manage the accommodation on his/her own by booking appropriate hotel through online services. One can also request to the coordinator of the local organizing committee or **Mr. Jagdish Gnawali** ([jggnawali@gmail.com](mailto:jggnawali@gmail.com); +977-9851085489, **NMS EC Representative** to coordinate the Local

Organizing Committee) for the management of the accommodation. Further details for accommodation will be given in the second announcement.

## Registration Fees

The registration fee covers lunch, snacks, conference kits, Breakfast, and a conference dinner only (**but does not include accommodation, transportation and any other local costs**).

Participant	Until Poush 8, 2075 (December 23, 2018)			Until Poush 20, 2075 (January 4, 2019)	
	Faculty	student*	Organizational Sponsorship	Faculty	student*
Nepali	NRs 4000.00	NRs 3000.00	NRs 5000.00	NRs 5000.00	NRs 4000.00
SAARC Countries	US \$ 60.00	US \$ 50.00	US \$ 70.00	US \$ 60.00	US \$ 50.00
Foreign, other than SAARC	US \$ 200.00	US \$ 150.00	US \$ 300.	US \$ 250.00	US \$ 200.00
*Scanned copy of valid student ID must be shown along with the registration form. For each accompanying person, the cost is <b>NRs 2000.00 (or US \$ 30)</b>					

## 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](mailto:akcsaurya81@gmail.com); +977-9851072304).

## 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

### Chair:

**Prof. Dr. Chet Raj Bhatta**, President, NMS; Central Department of Mathematics,  
Tribhuwan University (**email:** chetbhatta0@gmail.com; **phone:** 9851133363 \ 01-4333036)

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Tribhuwan University (**email:** [kafle\\_jeewan@cdmathtu.edu.np](mailto:kafle_jeewan@cdmathtu.edu.np); **phone:** 9851114577)

## Scientific Committee

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(**email:** db\_gurung@ku.edu.np; **phone:** 9841247825)

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**Member Secretary:** **Dr. Dinesh Panthi**, Secretary, NMS; Valmeeki Campus, NSU  
(**email:** [panthid06@gmail.com](mailto:panthid06@gmail.com) **Ph:** 00977-9841288132)

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### **Local Organizing Committee**

Local organizing committee will be announced very soon.