

## Best Poster Presentation Awards

Only the posters presented in the Conference by a Bangladeshi student will be considered for awards. Each award will contain a prize and a certificate.

## Important Dates

- Submission of Extended Abstract Deadline — **17 September, 2015**
- Notification of Acceptance— **30 September, 2015**
- Submission of Full Paper Before—**15, October, 2015**
- Early Registration and Payment Deadline—**7 October, 2015**
- Late Registration and Payment Deadline — **10 December 2015**
- Conference Dates — **18-20 December 2015**

\*\*\* For updates or any change please visit:

<http://19matconf.bracu.ac.bd>

## Registration Fees

- Local Professional **BDT 1800** and Late Registration **BDT 2000**
- Local Student **BDT 1200** and Late Registration **BDT 1500**
- SAARC Countries Professional **USD 200** and Late Registration **USD 250**
- SAARC Countries Student **USD 100** and Late Registration **USD 150**
- Foreign (Other than SAARC Countries) Professional **USD 300** and Late Registration **USD 350**
- Foreign (Other than SAARC Countries) Student **USD 200** and Late Registration **USD 250**

\*\*\* **Full Local Hospitality for 4 Nights. (For SAARC countries and Foreigners)**

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# 19<sup>th</sup> International Mathematics Conference

18–20 December, 2015

$$e^{\pi} + 1 = 0$$



BANGLADESH MATHEMATICAL SOCIETY

**Announcement of Conference  
&  
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Department of Mathematics and Natural Sciences  
**BRAC University**

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Information: <http://19matconf.bracu.ac.bd>

## Background and Aim of Bangladesh Mathematical Society

Bangladesh Mathematical Society (BMS) which translates into Bangla as Bangladesh Ganit Samity, the sole professional forum of the mathematicians of Bangladesh was founded in 1972. The prime goal of BMS is to promote mathematics education in Bangladesh at all levels from school to university. Another goal of BMS is to enhance research work in pure and applied mathematics as well as other branches of mathematical sciences. BMS organizes seminars, symposia, workshops etc. on mathematics teaching and mathematics education quite regularly. Besides, BMS organizes international conferences once every two years at different universities of Bangladesh.

## About BRAC University & Mathematics and Natural Sciences Department

BRAC University (BRACU), established in 2001, is one of the leading private universities of Bangladesh. It ensures a high quality broad based education and aims to meet the needs of the society. The academic activities of BRACU are conducted through four schools, three institutes and seven departments. There are also eight centres engaged in research and other activities. The university offers 16 under-graduate programs and 18 post-graduate programs. It also offers 8 post-graduate diploma and certificate programs. MNS Department has been offering courses in basic and applied sciences to the students of different disciplines of BRACU including its own. It offers various courses in physical and life sciences and also courses in Mathematics, Statistics, Economic Geography, and Environmental Sciences. MNS Department also has its own under-graduate degree programs in Mathematics, Physics, Applied Physics and Electronics, Microbiology, and Biotechnology. It offers a Master's program in Biotechnology as well.

## About Bangladesh

Bangladesh is a land of enormous beauty with hundreds of serpentine rivers, both large and small, luxuriant tropical rain forests, beautiful cascades of green tea gardens, the world's largest mangrove forest-the Sundarbans, and the world's longest sea beach at Cox's Bazar. People of Bangladesh are generous and hospitable by nature and like to live in peace and harmony.

Bangladesh has a rich, diverse culture and history. Its deep-rooted heritage is thoroughly reflected in its architecture, terracotta, multifaceted folk-lore, dance, music and attire. November to January is the best period to visit Bangladesh.

## About Dhaka

The capital of Bangladesh is Dhaka with its exciting history and rich culture. Known to the world as the city of mosques and muslin, it has attracted travellers from far and near through the ages. It has a history dating back to the earliest times. According to recorded history it was founded in 1608 A.D. as the seat of the Imperial Mughal Viceroy of Bangla.

Dhaka has grown into a busy city with a happy blending of old and new architectural trends. It has been developing fast as a modern city and is throbbing with activities in all spheres of life. It is the centre of industrial, commercial, cultural, educational and political activities in Bangladesh. Dhaka's major waterfront the bank of the Buriganga River is crowded with all kinds of river craft, country boats, motor launches, paddle-steamers, fishermen's boats all bustling with activity. Colourful rickshaws (tricycles) on the city streets are common attractions for the visitors.

## Scope

The scope of the conference will include, but not limited to the following topics:

- Actuarial Mathematics
- Algebra and Its Applications
- Algebraic Geometry and Differential Geometry
- Applied Mathematics and Modelling
- Approximation Theory
- Computational Fluid Dynamics
- Cryptography
- Differential Equations (ODEs and PDEs)
- Dynamical Systems, Chaos Theory and Its Applications
- Engineering Mathematics
- Financial Mathematics
- Functional Analysis and Its Applications

- Fuzzy Mathematics and Its Applications
- Game Theory
- Graph Theory and Its Applications
- Group Theory
- Heat and Mass Transfer
- Industrial Mathematics
- Linear and Non-linear Programming
- Mathematical Biology
- Mathematical Computational Techniques
- Mathematical Economics
- Mathematical Education
- Mathematical Morphology
- Mathematical Statistics and Applications
- Matrix Theory and Applications
- Number Theory
- Numerical Analysis
- Operation Research and Optimization
- Probability and Stochastic Processes
- Quantum Mechanics and Its Applications
- Real and Complex Analysis
- Set Theory and Its Applications
- Theoretical Physics and Cosmology
- Topology and Its Applications

## Paper Submission

Authors are invited to submit electronically extended abstracts (not more than 400 words) of their papers in the template provided in the Conference Web Page. Authors of the accepted abstracts will be required to submit electronically their full papers (.doc or .pdf).

Web Address: <http://19matconf.bracu.ac.bd>

## Publications

All full paper submissions will be peer reviewed based on originality, technical merit, relevance to the Conference, contributions, and readability. Selected papers will be published in GANIT: The Journal of Bangladesh Mathematical Society, and/or in some other journals (to be announced).