

20th International Mathematics Conference 2017

08 - 10 December 2017

A biennial event of

Bangladesh Mathematical Society



**Announcement of Conference
and
Call for Papers**

Theme
Bridging South Asian Mathematicians

Organized by



**Department of Mathematics
University of Dhaka
Dhaka 1000**

Website: <http://bdmathsociety.org/20mathconf2017>

BANGLADESH MATHEMATICAL SOCIETY

Bangladesh Mathematical Society (BMS), the sole professional forum of the Mathematicians of Bangladesh was founded in 1972. The prime goal of BMS is to promote Mathematics education and research in Bangladesh at all levels from school to university. BMS regularly organizes seminars on Mathematics teaching and Mathematics education. Besides, BMS organizes Biennial International Conferences.

Bangladesh Mathematical Society regularly publishes an international journal GANIT: Journal of Bangladesh Mathematical Society in English and an annual volume of an educative magazine Ganit Parikrama in Bangla.

ABOUT UNIVERSITY OF DHAKA

On the first day of July 1921 the University of Dhaka opened its doors to students with Sir P. J. Hartog as the first Vice-Chancellor of the University. The University was set up in a picturesque part of the city and started its activities with 3 Faculties, 12 Departments, 60 teachers, 877 students and 3 dormitories for the students. At present the University consists of 13 Faculties, 77 Departments, 11 Institutes, 20 residential halls, 3 hostels and more than 51 Research Centres. The number of students and teachers has risen to about 37,064 and 1,885 respectively.

The main purpose of the University is to create new areas of knowledge and disseminate this knowledge to the society through its students. Since its inception the University has a distinct character of having distinguished scholars as faculties who have enriched the global pool of knowledge by making notable contributions in the fields of teaching and research.

ABOUT THE DEPARTMENT

Mathematics was one of the three Departments in the Faculty of Science with which the University opened its doors to the students on July 1, 1921. It started functioning offering B.Sc. (Honors) and M.Sc. degrees in Pure and Applied Mathematics. Presently it is housed in the A F Mujibur Rahman Ganit Bhaban just opposite the historic Shaheed Minar.

The Department at present offers an integrated BS (Honors) Program of four-year duration, followed by an MS Program of one-year duration. The research degrees of M.Phil and Ph.D are also offered by the Department.

Research work during the first three decades was carried out mainly in the areas of Mechanics, Fluid Mechanics, Special Functions, Differential Equations, Theory of Numbers and Mathematical Physics. In the next phase, beginning with the Fifties, Analysis, Geometry and Dynamical Meteorology featured prominently. Since the early Eighties, the Department has rigorously focused on research activities in classical branches of modern Mathematics. Group Theory, Ring Theory, Number Theory, Topology, Functional Analysis, Differential Equations, Complex Analysis, Relativity and Cosmology, Numerical Analysis, Generalized Functions, Operations Research, Mathematical Physics, Fluid Mechanics, Mathematical Hydrology, Mathematical Biology, Differential Geometry, Dynamical Systems, Fuzzy Mathematics, and Financial Mathematics are a few to name.

SCOPE

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

- Mathematical Analysis
- Applied Mathematics
- Computational Mathematics
- Financial Mathematics
- Actuarial Mathematics
- Computational Fluid Dynamics
- Differential Equations (ODEs and PDEs)
- Dynamical Systems and Chaos
- Game theory
- Graph Theory and its Applications
- Group Theory
- Industrial Mathematics
- Mathematical Biology
- Number Theory
- Fuzzy Mathematics
- Operations Research and Optimization
- Probability and Stochastic Processes
- Quantum Mechanics
- Theoretical Physics and Cosmology
- Mathematical Economics
- Mathematical Chemistry
- Mathematics Education

PAPER SUBMISSION

Authors are encouraged to mail extended abstracts (within 1000 words) of their papers to 20mathconf2017@gmail.com. Authors of accepted abstracts will be required to submit electronically their full papers.

BEST POSTER PRESENTATION AWARDS

Only the papers presented in the Conference by Bangladeshi students will be considered for awards. Each award contains prize and certificate.

PUBLICATION

All full paper submissions will be peer reviewed based on originality, mathematical merit, relevance to the conference, contributions, and readability. Selected papers will be published in GANIT: Journal of Bangladesh Mathematical Society.

IMPORTANT DATES and DEADLINES

- Submission of Extended Abstract: **30 September 2017**
- Acceptance of Extended Abstract: **30 October 2017**
- Registration & Payment: **30 September 2017**
- Late Registration & Payment: **30 November 2017**
- Conference Dates: **08 - 10 December 2017**

REGISTRATION DETAILS

- BMS member Professional/Student BDT 1500/500
- Local Professional/ Researcher BDT 2000 /1000
- SAARC Country Professional/Researcher USD 200/100
- Foreigner (Other than SAARC Country)
Professional/Student USD 250/125
- Late Registration 20% extra

Online Registration

<http://bdmathsociety.org/20mathconf2017>

Registration fee includes program kit, refreshment and working lunch. For foreign nationals registration fee includes local hospitality for 3 nights.

Registration fee can be transferred electronically to:

AGRANI BANK Lt. A/C # 0200010087653 (DU Branch),
Branch code # 9612, SWIFT Code # AGBKBDH001,
Routing Code # 010271724

or

bKash Account # 01558859326

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For details, please visit
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