

# 20<sup>th</sup> 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 DHAKA UNIVERSITY**

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 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
- Theoretical Physics and Cosmology
- Actuarial Mathematics
- Mathematical Economics
- 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
- Operation Research and Optimization
- Probability and Stochastic Processes
- Quantum Mechanics
- Mathematics Education

## PAPER SUBMISSION

Authors are encouraged to submit electronically extended abstracts (within 1000 words) of their papers in conference web page. 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 technical 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 is available  
<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, Branch code # 9612,  
SWIFT Code # AGBKBDH001, Routing Code # 010271724

or

BIKASH Account # 01558859326

## ORGANIZING COMMITTEE

**Chairman** Professor Dr. AAMS Arefin Siddique  
Vice-Chancellor, University of Dhaka

**Secretary** Dr. Amal Krishna Halder  
Chairman, Department of Mathematics  
University of Dhaka

### Members

- Professor Sajeda Banu, President, BMS
- Professor Dr. Md. Shahidul Islam  
Secretary, BMS
- Members, Executive Committee, BMS
- Faculty Members, Department of  
Mathematics, DU
- Chairman, Department of Applied  
Mathematics, DU

## ADVISORY COMMITTEE

- Dean, Faculty of Science, DU
- Professor Dr. Munibur Rahman Chowdhury, DU
- Professor Dr. Shamsheer Ali (Fellow of TWAS), DU
- Professor Dr A. M. Harun-ar-Rashid (Fellow of TWAS), DU
- Professor Dr. Md. Abdul Matin, DU
- Professor Dr. Md. Mubarak Hossain, DU
- Professor Dr. Md. Tazibar Rahman, DU
- Professor Dr. Md. Muklesur Rahman, DU
- Chairman, Department of Mathematics, JU
- Chairman, Department of Mathematics, RU
- Chairman, Department of Applied Mathematics, RU
- Head, Department of Mathematics, SUST
- Chairman, Department of Mathematics, CU
- Head, Department of Mathematics, BUET
- Head, Mathematics Discipline, KU
- Chairman, Department of Mathematics, PUST
- Chairman, Department of Mathematics, JnU
- Chairman, Department of Mathematics, CoU
- Chairman, Department of Mathematics, BU
- Chairman, Department of Mathematics, BRUR
- Chairman, Department of MNS, BRACU
- Head, Department of Physical Sciences, IUB

## SCIENTIFIC COMMITTEE

- Professor Michel Waldschmidt (France)
- Professor Michael Dorf (USA)
- Professor Zhiwu Li (China)
- Professor Aliakbar Haghighi (USA)
- Professor Nicola Massarotti (Italy)
- Professor Renaud Leplaideur (France)
- Professor Md Ainul Islam (Bangladesh)
- Professor M.A. Hossain (Bangladesh)
- Professor Graeme Fairweather (USA)
- Professor Saleh Tanveer (USA)
- Professor Jorge Jiménez Urroz (Spain)
- Professor Mohammad Rashidi (Iran)
- Professor Abul Monsur Chowdhury (Bangladesh)
- Professor Subrata Majumdar (Bangladesh)
- Professor Bidyut Baran Saha (Japan)
- Professor Carlene P.C. Pilar-Arceo (Philippines)
- Professor Mahmoud Hamadci (France)
- Professor Stefan Turek (Germany)
- Professor Madhumangal Pal (India)
- Professor M.P. Chaudhary (India)
- Professor Laek Sazzad Andallah (Bangladesh)
- Professor Md. Rashed Talukder (Bangladesh)
- Dr. Khin Myo Aye (Myanmar)
- Dr. Mahbubur Rahman (USA)
- Dr. Shafiqul Islam (Canada)
- Dr. M. Jahrul Alam (Canada)

## CONFERENCE SECRETARIAT

Dr. Md. Shahidul Islam, Secretary, BMS  
Phone: (+88) 01819493767  
E-mail: mshahidul11@yahoo.com

Dr. Amal Krishna Halder  
Chairman & Organizing Secretary  
Department of Mathematics, DU  
Phone: (+88) 01712008998  
E-mail: math@du.ac.bd