

Some Invited Speakers

- Prof. Bidyut Baran Saha**, Thermal Science and Engineering Division, (WPI-12CNER), Kyushu University, Fukuoka, Japan.
- Prof. Taufiqar R Khan**, Department of Mathematical Sciences, Clemson University, USA.
- Prof. Michel Waldschmidt**, Institute of Mathematics of Jussieu, Sorbonne University, Paris, France.
- Prof. S. Sundar**, Department of Mathematics, IIT Madras, Chennai, India.
- Prof. T. M. G. Ahsanullah**, Department of Mathematics, King Saud University, Saudi Arabia.
- Prof. O. D. Makinde**, Department of Applied Mathematics & Computations, Stellenbosch University, South Africa.
- Prof. Zhao Yi**, Department of Mathematics, Harbin Institute of Technology, Shenzhen, China.
- Prof. Edwin A. Balila**, Department of Mathematics, Adventist University of the Philippines, Philippines.
- Prof. Michael Vynnycky**, Department of Mathematics and Statistics, University of Limerick, Ireland.
- Prof. Russell Gerardo Alpizar Jara**, Department of Mathematics, University of Évora, Portugal.
- Prof. Pradeep G. Siddheshwar**, Department of Mathematics, Bangalore University, India.
- Prof. Jose Maria P. Balmaceda**, Institute of Mathematics, University of the Philippines Diliman, Philippines.
- Dr. Shafiqul Islam**, Associate Professor, Department of Mathematics, University of Prince Edward Island, Canada.
- Dr. Mohd Zuki Salleh**, Associate Professor, Faculty of Industrial Sciences & Technology, University Malaysia Pahang, Malaysia.
- Dr. Abderrahim Ouazzi**, Institute for Applied Mathematics, Technical University, Germany.

Scientific Committee

- Prof. Saleh Tanveer**, Department of Mathematics, The Ohio State University, USA.
- Prof. Stefan Turek**, Department of Mathematics, Technische Universität Dortmund, Germany.
- Prof. Mohammad Mehdi Rashidi**, Department of Civil Engineering, University of Birmingham, UK.
- Prof. Ji Hwan Jeong**, School of Mechanical Engineering, Pusan National University, South Korea.
- Prof. Nicolas BÉDARIDE**, Université de Aix Marseille, France.
- Prof. Karsten Keller**, Institute of Mathematics, University of Lübeck, Germany.
- Prof. Rios Isabel**, Universidade Federal Fluminense, Brazil.
- Prof. Dr. S. Sundar**, Department of Mathematics, IIT Madras, India.
- Dr. Jahrul Alam**, Department of Mathematics, Memorial University Newfoundland, Canada.
- Dr. Elvira P. de Lara-Tuprio**, Department of Mathematics, Ateneo de Manila University, Philippines.
- Prof. Usha P Murthy**, Department of Mathematics, Siddaganga Institute of Technology, Tumkur, India.

- Prof. Md. Anwar Hossain**, Department of Mathematics, University of Dhaka, Bangladesh.
- Prof. Md. Abdus Samad**, Department of Applied Mathematics, University of Dhaka, Bangladesh.
- Prof. Laek Sazzad Andallah**, Department of Mathematics, Jahangirnagar University, Bangladesh.
- Prof. Md. Abdus Sattar**, Department of Mathematics, University of Dhaka, Bangladesh.
- Prof. Md. Ainul Islam**, Department of Mathematics, University of Dhaka, Bangladesh.
- Prof. Md. Tazibar Rahman**, Department of Mathematics, University of Dhaka, Bangladesh.
- Prof. Md. Rashed Talukder**, Department of Mathematics, Shahjalal University of Science and Technology, Sylhet, Bangladesh.
- Prof. Mohammed Ashraful Islam**, Department of Mathematics, Chittagong University, Bangladesh.
- Prof. Md. Mahmud Alam**, Mathematics Discipline, Khulna University, Bangladesh.
- Prof. M. Ashabul Hoque**, Department of Mathematics, Rajshahi University, Bangladesh.
- Dr. Hasibun Naher**, MNS Department, BRAC University, Dhaka, Bangladesh.
- Prof. Mamun Molla**, Department of Mathematics & Physics, North South University, Bangladesh.
- Prof. Md. Abdul Hakim Khan**, Department of Mathematics, BUET, Bangladesh.
- Prof. Mohammad Ferdows**, Department of Mathematics, King Abdulaziz University, Saudi Arabia.

Advisory Committee

- Prof. Tofail Ahmed Chowdhury**, Dean, Faculty of Science, University of Dhaka, Bangladesh.
- Prof. Munibur Rahman Chowdhury**, Department of Mathematics, University of Dhaka, Bangladesh.
- Prof. Md. Abdul Matin**, Department of Mathematics, University of Dhaka, Bangladesh.
- Prof. Partha Pratim Dey**, Chair, Department of Mathematics & Physics, North South University, Bangladesh.
- Dr. Habib Bin Muzaffar**, Head, Department of Physical Sciences, Independent University of Bangladesh.
- Prof. Sarder Firoz Ahmed**, Head, Mathematics Discipline, Khulna University, Bangladesh.
- Prof. Md. Gulam Ali Hayder Chowdhury**, Head, Department of Mathematics, SUST, Sylhet, Bangladesh.
- Prof. Ganesh Chandra Ray**, Chairman, Department of Mathematics, University of Chittagong, Bangladesh.
- Prof. Md. Zulfikar Ali**, Chairman, Department of Mathematics, Rajshahi University, Bangladesh.
- Prof. Abeda Sultana**, Chairman, Department of Mathematics, Jahangirnagar University, Bangladesh.
- Prof. Rabindra Nath Mondal**, Chairman, Department of Mathematics, Jagannath University, Bangladesh.
- Prof. Md. Mustafizur Rahman**, Head, Department of Mathematics, BUET, Bangladesh.
- Prof. Md. Nurur Alam**, Department of Mathematics, Uttara University, Dhaka, Bangladesh.

21st International Mathematics Conference 2019 06 - 08 December 2019

A biennial event of
Bangladesh Mathematical Society



Announcement of Conference
and
Call for Papers



Theme
Mathematics: Challenges and Reality

Organized by



Department of Applied Mathematics
University of Dhaka
Dhaka 1000

Website: <http://appliedmath.du.ac.bd/>

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.

University of Dhaka

University of Dhaka opened its doors to the students on the 1st July 1921 with only three faculties, namely the Faculty of Science, Faculty of Arts and the Faculty of Law. The Faculty of Science started its journey with only three departments namely, Physics, Mathematics and Chemistry. Over the years the Faculty has undergone significant changes. New Departments have been established with the increase of the number of students and subsequently new Faculties have been created to cater the needs of the new Departments. For details: <https://www.du.ac.bd/>

Department of Applied Mathematics

Students had been awarded Master of Science degree in Applied Mathematics under the Department of Mathematics since 1921. Recently, Department of Applied Mathematics has started its journey in full-fledged as an independent Department in the faculty of Science on July 1, 2014 aiming for advanced, disseminated applied mathematical knowledge to enhance the development of Bangladesh as well as the rest of the world. The greater intention is to create a role model for higher education and scientific research. Now the department offers four year B.S. Honours and one year M.S. (both in thesis and non-thesis group), M. Phil. and Ph. D degrees. For details: <http://appliedmath.du.ac.bd/>

Aim and Scope of the Conference

The aim of the conference is to foster communication among researchers and practitioners working in a wide variety of scientific areas with a common interest in improving and innovating Mathematics, Applied Mathematics, interdisciplinary subjects, and to promote cooperation among the local researchers.

The conference will focus on the following topics but not limited to:

- Actuarial Mathematics
- Applied Mathematics
- Computational Fluid Dynamics
- Differential Equations (ODEs and PDEs)

- Differential Manifolds
- Dynamical Meteorology
- Dynamical Systems and Chaos
- Engineering Mathematics
- Financial Mathematics
- Functional Analysis
- Fuzzy Mathematics
- Graph Theory and its Applications
- Group and Ring Theory
- Industrial Mathematics
- Mathematical Analysis
- Mathematical Biology and Physiology
- Mathematical Chemistry, Physics, Statistics
- Mathematical Economics
- Mathematics Education
- Nano Fluid and Technology
- Number Theory
- Numerical Analysis
- Operations Research and Optimization Techniques
- Relativity and Cosmology
- Stochastic Process
- Other Interdisciplinary Subjects

Paper Submission

Interested researchers and professionals are requested to send the extended abstracts (within 1000 words) of their contributory talks to: mathcon2019@gmail.com

Best Oral and Poster Presentation Awards

Best three papers will be awarded from oral presentations. Also there will be a poster session for students/young researchers, among them best three will be awarded.

Publication

All submitted full papers will be peer reviewed based on originality, mathematical merit, relevance to the conference, contributions, and readability. Accepted papers will be published in GANIT Journal of Bangladesh Mathematical Society, ISSN: 1606-3694 (Print), 2224-5111 (online).

Important Dates and Deadlines

Submission of Extended Abstract: **30 September 2019**
Notification of Acceptance: **15 October 2019**
Regular Registration and Payment: **30 October 2019**
Late Registration and Payment: **15 November 2019** (For Foreigners)
Late Registration and Payment: **25 November 2019** (For Local Participants)
Conference Dates: **06 - 08 December 2019**

Registration Fees

Local Professional: BDT 2000; Late BDT 2500; Spot BDT 3000.
Local Student: BDT 1500; Late BDT 1800; Spot BDT 2000.
BMS Member: BDT 1500; Late BDT 2000; Spot BDT 2500.
: Student BDT 1000; Late BDT 1200; Spot BDT 1500.

SAARC Countries:

Professional USD 250 (Late USD 300)
Researcher/ Student USD 200 (Late USD 250)

Other than SAARC countries:

Professionals USD 350 (Late USD 400)
Researcher/ Student USD 300 (Late USD 350)

Registration fee includes program kits, refreshment, working lunch and conference dinner for local participants.

For foreign participants Registration fees include full local hospitality (Transport, Boarding and Lodging for Four Nights, and City Tour).

Registration fees can be transferred electronically to

Account Name: BMS CONFERENCE 2019
Name of Bank: AGRANI BANK LIMITED.
Account Number: 0200013754864
Branch: Dhaka University, Bangladesh.
Branch Code: 9612
SWIFT Code: AGBKBDDH001
Routing Code: 010271724

Organizing Committee

Chairman

Prof. Md. Mubarak Hossain, Department of Applied Mathematics, University of Dhaka, and President, Bangladesh Mathematical Society.

Secretary

Prof. Md. Shafiqul Islam, Department of Applied Mathematics, University of Dhaka, Bangladesh, Phone: +880 17 11 86 4725, Email: appliedmath@du.ac.bd

Members

Prof. Amulya Chandra Mandal, Secretary, Bangladesh Mathematical Society.

Faculty Members, Department of Applied Mathematics, University of Dhaka, Bangladesh.

Executive Committee, Bangladesh Mathematical Society.

Prof. Amal Krishna Halder, Chairman, Department of Mathematics, University of Dhaka, Bangladesh.

Prof. Md. Anwar Hossain, Department of Mathematics, University of Dhaka, Bangladesh.