

2nd Announcement
WITH REVISED DATES

23rd SCAC
SCIENCE COUNCIL OF ASIA CONFERENCE

FOURTH INDUSTRIAL REVOLUTION AND FUTURE SOCIETY

**A Hybrid Event with Options for
Physical and Virtual Participation**

**30 November - 02 December 2024
Dhaka, Bangladesh**

Organized by



Bangladesh Academy of Sciences
Dhaka, Bangladesh



Science Council of Asia

Supported by



Ministry of Science & Technology
Govt. of the People's Republic of Bangladesh

Organizing Committee

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Emeritus Prof Dr AK Azad Chowdhury

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Prof Dr Choudhury Mahmood Hasan

Prof Dr ZN Tahmida Begum

Prof Dr Haseena Khan

Prof Dr M Shamsheer Ali

Prof Dr Mesbahuddin Ahmed

Emeritus Scientist Dr Firdausi Qadri

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Co-organizing Secretary

Prof Dr Yearul Kabir

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Members

Prof Dr Anwar Hossain

Prof Dr Md Abdul Alim

Prof Dr M Abu Bin Hasan Susan

Prof Dr Mohammed Almujaaddade Alfasane



Invitation

The Fourth Industrial Revolution (FIR) has already become a buzzword. However, the exact nature of the revolution as well as its present and future impact on human civilization are still not clear to many people including some professionals in the relevant sectors. Many of the areas of human endeavor are now dominated by technologies like Robotics, Artificial Intelligence, Virtual Reality, 3D Printing, Biotechnology, Blockchain, and the Internet of Things. However, the process of successful implementation of these modern technologies is highly context-specific and it demands a critical appreciation of the norms, cultures, value systems, and political as well as economic realities of the country. In the background of phenomenal enhancement in the quantitative and qualitative aspects of productivity, there will be substantial challenges and risks related to automation as well as ethical aspects of the revolution.

Asia is one of the fastest-growing regions of the world regarding FIR. However, development in this region is highly heterogeneous, and, at present, many of the countries are lagging due to a lack of skilled human resources, large-scale investment, modern infrastructure, adverse sociopolitical culture, and ineffective public policy. Time is now extremely crucial to initiate discussion on various dimensions of the FIR so that the outcome of the transformation can be harnessed with the best possible productivity as well as equity and human values. Collaboration among regional countries is central to achieving optimum success in this area and this needs intensive discussion and interaction among the relevant professionals and policymakers from around the region. Accordingly, the Theme of the 23rd Science Council of Asia Conference, to be held in Dhaka during 2024, has been fixed as 'Fourth Industrial Revolution and Future Society'.

The Bangladesh Academy of Sciences (BAS), as the local organizer, extends a cordial invitation to the relevant professionals and stakeholders to attend the Conference.

Prof Dr Haseena Khan

Secretary

Bangladesh Academy of Sciences

Emeritus Prof Dr AK Azad Chowdhury

President

Bangladesh Academy of Sciences

Prof Dr Liaquat Ali

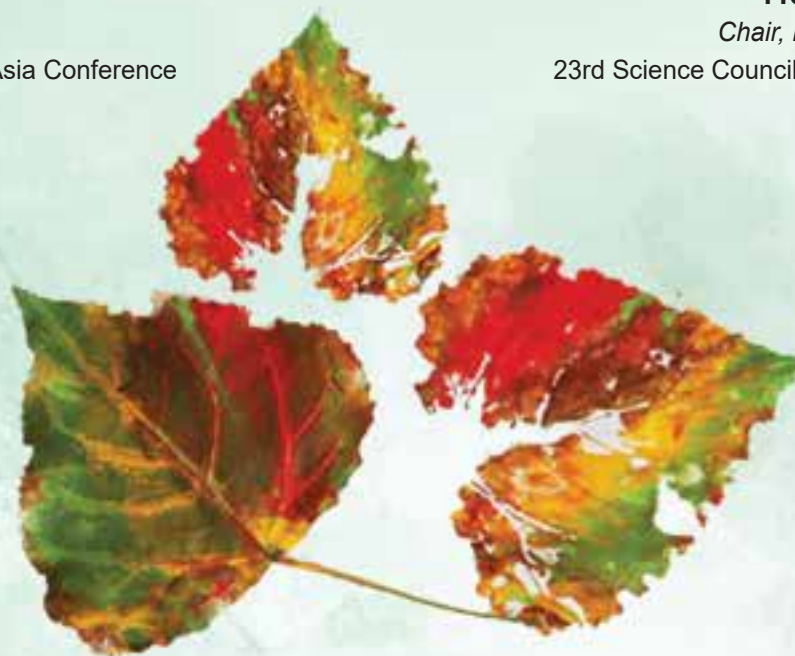
Organizing Secretary

23rd Science Council of Asia Conference

Prof Dr Zahurul Karim

Chair, Program Committee

23rd Science Council of Asia Conference



Important Dates

Last Date of Registration	01 November 2024
Closing Date of Abstract Submission	20 October 2024
Notification about Abstract Acceptance	30 October 2024
23rd SCA General Assembly and Conference	30 November - 02 December 2024

Conference Dates

30 November - 02 December 2024 (Saturday-Monday)

Venue

National Science & Technology Complex
Agargaon, Dhaka, Bangladesh

Theme

Fourth Industrial Revolution and Future Society

The Program will include

- a. Theme Lecture
- b. Plenary Lecture
- c. Keynote and Invited Lectures in Parallel Scientific Sessions on 3 Subthemes namely
 - 1) Technology
 - 2) Implementation Process
 - 3) Social Impact
- d. Future Earth Symposium
- e. Symposium on Food Security
- f. ISC Symposium on International Science Council - Developments and Opportunities
- g. Panel Discussion
- h. Round table discussion with industrialists, entrepreneurs, and other stakeholders
- i. Young Researchers' Session
- j. Free Papers (Posters)
- k. Parallel Industrial Exhibition by relevant companies/projects
- l. Visits to selected technology-based companies/projects in Bangladesh



Theme Lecture

Prof Dr M Zahid Hasan

Eugene Higgins Professor of Physics at Princeton University

Visiting Professor of Physics at Massachusetts Institute of Technology (MIT), United States of America

Plenary Lectures

Emeritus Prof Dr AK Azad Chowdhury

Bangladesh Academy of Sciences, Dhaka, Bangladesh

Prof Dr Emiko Usui

Institute of Economic Research, Hitotsubashi University, Tokyo, Japan

Dr Tahmeed Ahmed

Nutrition and Clinical Services Division, International Centre for Diarrhoeal Disease Research, Bangladesh (icddr,b), Dhaka, Bangladesh

Keynote and Invited Speakers

Prof Dr M Shamsheer Ali

Bangladesh Academy of Sciences, Dhaka, Bangladesh

Prof Dr M Iqbal Choudhury

International Center for Chemical and Biological Sciences (ICCBS), University of Karachi, Karachi, Pakistan

Prof Dr Mark Tester

Dept of Plant Genetics, King Abdullah University of Science and Technology and CEO, Red Sea, Saudi Arabia

Prof Dr Tanusri Saha-Dasgupta

SN Bose National Centre for Basic Sciences, Kolkata, India

Prof Dr Haseena Khan

Bangladesh Academy of Sciences, Dhaka, Bangladesh

Prof Dr Mirjana Radović-Marković

University Business Academy, Serbia; Foreign Fellow, Bangladesh Academy of Sciences

Dr Kohei Nakano

The United Graduate School of Agricultural Science, Gifu University, Japan

Prof Dr Yuji Kishima

Plant Breeding, Graduate School of Agriculture, Hokkaido University, Japan

Prof Dr Atsushi Yokota

Executive Vice President, Hokkaido University, Sapporo, Japan

Prof Dipl-Des Ellen Bendt

Head of Study TP/Design, University of Hamburg, Germany

Prof Dr M Feroze Ahmed

Bangladesh Academy of Sciences, Dhaka, Bangladesh

Emeritus Prof Shahjahan Khan

University of Southern Queensland, Australia; and Asian University of Bangladesh



Dr Syed Arshad Hussain

Department of Physics, Tripura University, Suryamaninagar, Tripura, India

Prof Dr AKM Azharul Islam

Bangladesh Academy of Sciences, Dhaka, Bangladesh

Dr Yuichi Sakumura

Data Science Center, Nara Institute of Science and Technology, Ikoma, Japan

Prof Dr Mohammad A Rashid

Department of Pharmaceutical Chemistry, University of Dhaka, Dhaka, Bangladesh

Dr Kazushi Ikeda

Graduate School of Science and Technology, Ikoma, Japan

Prof Dr Avinash Dadhich

School of Law, Dhirubhai Ambani University, Gandhinagar, Gujrat, India

Prof Dr Zeba Islam Seraj

Department of Biochemistry & Molecular Biology, University of Dhaka, Dhaka, Bangladesh

Dr Sheikh Mohammad Fazle Akbar

Visiting Researcher, Oita University, Japan

Professor Dr Liu Jun

Department of Plant Pathology, College of Plant Protection, China Agricultural University, Beijing, China

Dr Munirul Alam

Molecular Ecology and Metagenomic Laboratory, International Centre for Diarrhoeal Disease Research, Bangladesh (icddr,b), Dhaka, Bangladesh

Dr Pulasthi Gunawardhana

Department of Information and Communication Technology, Faculty of Technology, University of Sri Jayewardenepura, Sri Lanka

Prof Dr M Tofazzal Islam

Institute of Biotechnology and Genetic Engineering (IBGE), Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur, Bangladesh

Dr Sameer Dixit

Centre for Molecular Dynamics Nepal (CMDN), Kathmandu, Nepal

Prof Dr Md Shajahan Kabir

Department of Rural Sociology, Bangladesh Agricultural University, Mymensingh, Bangladesh

Prof Dr Yoichi Ohiro

Dept of Oral and Maxillofacial Surgery, Hokkaido University, Sapporo, Japan

Prof Dr Kazi Matin Uddin Ahmed

Department of Geology, University of Dhaka, Dhaka, Bangladesh

Prof MA Basith

Department of Physics, Bangladesh University of Engineering & Technology, Dhaka, Bangladesh

Seeprata Parajuli

Quest International College, Pokhara University, Gwarko, Lalitpur, Nepal

Eric Kerr

Science, Technology and Society Cluster, Asia Research Institute, National University of Singapore

Prof Tan Wee Hoe

International Network for Governmental Science Advice (INGSA-Asia), International Science Council

Dr Shamim Ahmed Dewan

Chairman, Department of Robotics and Mechatronics Engineering, University of Dhaka, Bangladesh

Dr Kakon Nag

Globe Biotech, Dhaka, Bangladesh

Dr Mohammed Shameem

Drug Products Development & Delivery Tech, Regeneron Pharma, New York, USA

Prof Dr Mirza Hasanuzzaman

Department of Agronomy, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh

Dr Shawkat Hossain

Biotech Plant, Incepta Pharmaceutical Ltd

Prof Dr Md Atiar Rahman

Department of Biochemistry & Molecular Biology, University of Chittagong, Chittagong, Bangladesh

Dr Bijoy Krishna Debnath

Department of Applied Sciences, School of Engineering, Tezpur University, Assam, India

Prof Dr Shaikh Jamal Uddin

Pharmacy Discipline, Khulna University, Bangladesh

Prof M Khaled Hossain

Department of Biochemistry and Molecular Biology, Rajshahi University, Bangladesh

Prof M Manjurul Karim

Department of Microbiology, University of Dhaka, Bangladesh

Prof Dr Mustak Ahmed

Department of Mass Communication and Journalism, University of Rajshahi, Bangladesh

Prof Dr Mohammad Tofazzal Hossain Howlader

Former Head, Insect Biotechnology and Biopesticide Laboratory, Department of Entomology, Bangladesh Agricultural University, Mymensingh, Bangladesh

Dr Khurshida Pervin

Department of Business Administration, Prime University, Dhaka, Bangladesh



Symposium on Unlocking the scope of a Meta Network System in advancing SDGs in Asia

Co-organized by **Future Earth**

Dr Anik Bhaduri

Director, Sustainable Water Future Programme (Water Future), Future Earth

Emeritus Prof Dr Kazuo Nadaoka

Tokyo Institute of Technology; and Sustainability Initiative in the Marginal Seas of South and East Asia (SIMSEA)

Dr Lourdes J Cruz

Future Earth Philippines

Dr Siwatt Pongpiachan

Future Earth Thailand

Dr Raj K Singh

Indian Institute of Technology Bhubaneswar

Dr Sruthi Subbanna

Science Policy Analyst, South Asia Hub, Future Earth

Symposium on Food Security

Prof Dr Michiko Ohkura

Professor Emerita, Shibaura Institute of Technology, Oshitate-Cho, Fuchu, Tokyo, Japan

Prof Dr Zahurul Karim

Bangladesh Academy of Sciences, Dhaka, Bangladesh

Prof Dr Mohammad Jahangir Alam

Dept of Agribusiness and Marketing, Bangladesh Agriculture University, Mymensingh, Bangladesh

Young Researchers' Session: Expectation from 4th IR from the perspective of Young Researchers

Introduction: Dr Yuki Monden

Graduate School of Environmental and Life Science, Okayama University, Japan

Open Discussion

Panel Discussion: Role of the Scientists to meet the Global Challenges through 4th Industrial Revolution

Moderator : Prof Dr Shibusawa Sakae, *Science Council of Asia*

Panelists : Prof Dr Muhammad Aslam Baig, *President, Science Council of Asia*

Emeritus Prof Dr AK Azad Chowdhury, *Vice-President, Science Council of Asia*

Prof Dr Mitsuishi Mamoru, *President, Science Council of Japan*

Prof Dr M Iqbal Choudhury, *Former Coordinator General, COMSTECH, OIC*

Distinguished Prof Datuk Dr Looi Lai Meng, *Academy of Sciences Malaysia*

Dr Aimee Lynn A Barrion-Dup, *National Research Council of the Philippines (NRCP), Philippines*

Prof Park Seung-Woo, *National Academy of Sciences, Republic of Korea*

Prof Dr Choudhury Mahmood Hasan, *Bangladesh Academy of Sciences*

General Information

Climate

The weather in Dhaka at the end of November and beginning of December is usually very pleasant. Average day temperature is 25°C.

Conference Venue

National Science & Technology Complex, Agargaon, Dhaka, Bangladesh.

Language

English is the official language of the Conference.

Visa

Citizens of most countries require visa for entry into Bangladesh. The local Bangladesh Embassy or Consulate may kindly be contacted.

Currency

Taka (Tk) Conversion rate US\$= Tk 120 (approx.).

Travels and Tours

Customized tours can be organized for foreign participants. Please contact the Conference Secretariat for further information.

Suggested Options for Accommodation

For special rates and reservation Please contact the Conference Secretariat.



Radisson Blu Dhaka Water Garden
md.nazrulislam@radisson.com



Hotel Empyrean
kamal.hossain@empyreanhotelbd.com



Hotel Platinum Grand
reservation@platinumhotels.com.bd



Hotel Bengal Canary Park
sales1@hotelcanarypark.com



Hotel Tropical Daisy
info@hoteltropicaldaisy.net



Ambrosia Guest House
ambrosia1976@gmail.com

Registration Fees

i. Physical participation

- | | |
|---------------------------|------------|
| a. Local Participants | |
| General | BDT 2000/- |
| Students (Proof Required) | BDT 1000/- |
| b. Foreign Participants | US \$ 100 |

ii. Virtual participation

- | | |
|--------------------------|------------|
| a. Local Participants | |
| General | BDT 1000/- |
| Student (Proof Required) | BDT 500/- |
| b. Foreign Participants | US \$ 50 |

Closing Date for Registration : **01 November 2024**

For online registration, please use the Google Form (a Google account required) and follow the online instructions. For offline registration, please download and fill the Registration Form (photocopies acceptable), and send it to the Conference Secretariat with proof of payment.

The physically attending Participant's registration fee includes access to Scientific Programs, Publications, Reception, Tea/Coffee, Lunch, Dinner and other Social Programs (except personally arranged tours).

Travel Grants/Allowances

A limited number of foreign participants will be provided with local hospitality (accommodation and food) and/or travel grants depending on the availability of funds. Last Date of Application: **30 October 2024**.

Call for Abstracts (for Poster Presentation only)

Participants interested in presenting their original works in the Poster Sessions at the Conference are invited to submit abstracts by **20 October**.

Instructions for Abstracts (Poster Presentation only)

The Abstract should be structured as a) Background and Objectives, b) Methods, c) Results, and d) Conclusions. The abstract should be within 350 words. The Presenting Author's name should be underlined. The presenting author's full contact address (including phone no. and e-mail must be given). The abstract may be submitted online using the relevant Google Form (a Google account will be required) or it can be submitted offline by sending it to the Secretariat through e-mail to <scaconference23@gmail.com>.

Weblink : <http://event.bas.org.bd/index.php/SCAC23RD>



The Venue



National Science & Technology Complex

Agargaon, Dhaka 1207

Phone: +8802 41025084, +8802 41025086



Correspondence

Conference Secretariat

23rd Science Council of Asia Conference, Bangladesh Academy of Sciences
National Science & Technology Complex, Agargaon, Dhaka 1207, Bangladesh

Phone: +8802 41025084, +8802 41025086, Fax: +8802 8181306

E-mail: scaconference23@gmail.com, Website: www.bas.org.bd

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