

FIRST ANNOUNCEMENT



## FOURTH INDUSTRIAL REVOLUTION AND FUTURE SOCIETY

A HYBRID EVENT WITH OPTIONS FOR PHYSICAL AND VIRTUAL PARTICIPATION



**26-28 October 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

# 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 Congress, 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



## Important Dates

Last Date of Registration	31 August 2024
Closing Date of Abstract Submission	01 August 2024
Notification about Abstract Acceptance	15 August 2024
23rd SCA General Assembly and Conference	26-28 October 2024



## Dates

26-28 October 2024 (Saturday-Monday)

## Venue

National Science & Technology Complex  
Agargaon, Dhaka, Bangladesh

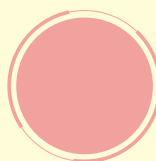


## Theme

The Theme of the 23rd SCA Conference has been fixed as  
**‘Fourth Industrial Revolution and Future Society’.**

## The Program will include

- Theme Lecture
- Plenary Lecture
- Keynote and Invited Lectures in Parallel Scientific Sessions on 3 Subthemes namely
  - 1) Technology
  - 2) Implementation Process
  - 3) Social Impact.
- Panel Discussion Session A 2-3 hr Symposium co-organized with Future Earth, Japan;
- Round table discussion with the industrialists, entrepreneurs, and other stakeholders
- Symposium on Food Security;
- Young Researchers Session
- Free Papers (Posters)
- Parallel Industrial Exhibition by relevant companies/ projects
- Visits to selected technology-based companies/ projects in Bangladesh



## Theme Lecture

### **Prof Dr Zahid Hasan**

Eugene Higgins Professor of Physics at Princeton University  
Visiting Professor of Physics at Massachusetts Institute of Technology (MIT)  
United States of America

## Probable Speakers

### **Prof Mohammad Ataul Karim**

Expatriate Fellow, BAS

### **Anir Chowdhury**

Access to Information (A2i), Prime Minister's Secretariat,  
Govt of the People's Republic of Bangladesh, Dhaka, Bangladesh

### **Prof Dr Yuichi SAKUMURA**

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

### **Prof Dr Kazushi IKEDA**

Graduate School of Science and Technology, Ikoma, Japan

### **Prof Dr M Feroze Ahmed**

Fellow, Bangladesh Academy of Sciences

### **Dr Tahmeed Ahmed**

International Centre for Diarrhoeal Disease Research, Bangladesh (icddr,b), Dhaka, Bangladesh

### **Prof Dr Mark Tester**

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

### **Dr Shamim Ahmed Deowan**

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

### **Dr AKM Mahbubur Rahman**

Artificial Intelligence and Machine Learning Wing, Centre for Computer & Data Sciences, Independent University Bangladesh (IUB), Bangladesh

### **Dr Sheikh Mohammad Fazle Akbar**

Visiting Researcher, Oita University, Japan

### **Prof M Khaled Hossain**

Department of Biochemistry and Molecular Biology, Rajshahi University, Bangladesh

### **Prof M Manjurul Karim**

Department of Microbiology, University of Dhaka, Bangladesh

### **Dr Mustak Ahmed**

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

### **Prof (Dr) Avinash Dadhich**

Principal and Associate Dean, IFIM Law School, Bangalore, India





**Dr Baki Billah**

Associate Professor, Department of Biostatistics, Monash University, Melbourne, Australia

**Dr Ahmad Humayun Kabir**

Department of Biology, University of Monroe, Louisiana, USA

**Dr Munirul Alam**

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

**Dr Kenji Nakahara**

Graduate School of Agriculture, Hokkaido University, Global Center for Food, Land and Water Resources, Japan

**Prof Dr Kohei Nakano**

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

**Dr Abdullah Shibli**

Senior Research Fellow, International Sustainable Development Institute (ISDI), Boston, USA

**Prof Shahjahan Khan**

Emeritus Professor, University of Southern Queensland, Australia and VC, Asian University of Bangladesh

**Dr Pulasthi Gunawardhana**

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

**Prof Meda Rao**

Marwadi Education Foundation's Group of Institutions, Gaya, India

**Prof Dr Muhammad JA Shiddiky**

Distinguished Professor of Nanotechnology, Rural Health Research Institute (RHRI), Charles Sturt University, Australia

**Prof Dr Md Shahiduzzaman**

Nanomaterials Research Institute (NanoMaRi), Kanazawa University, Japan

**Prof MA Basith**

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



**Prof Kerrie Mengersen**

Queensland University of Technology, Brisbane, Australia

**Dr Khurshida Pervin**

Department of Business Administration, Prime University, Dhaka, Bangladesh

**Seepрата Parajuli**

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

**Prof Dr Md Shajahan Kabir**

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

**Prof Dr Kazi Matin Uddin Ahmed**

Fellow, Bangladesh Academy of Sciences

**Eric Kerr**

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



## General Information

**Climate**

The weather in Dhaka in October 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 117 (approx.).

**Accommodation**

Accommodation of hotels can be arranged on request. Please contact the Conference Secretariat for further information.

**Travels and Tours**

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

## 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: 31 August 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: **31 August 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 **01 August 2024**.

### 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](mailto:scaconference23@gmail.com).



Visit : [www.bas.org.bd](http://www.bas.org.bd)



## **Correspondence**

Conference Secretariat

23rd Science Council of Asia Conference, Bangladesh Academy of Sciences

National Science & Technology Complex, Agargaon, Dhaka 1207

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

E-mail: [scaconference23@gmail.com](mailto:scaconference23@gmail.com), Website: [www.bas.org.bd](http://www.bas.org.bd)