



# 2<sup>nd</sup> International Conference on STEMS

(Science, Technology, Engineering, Mathematics and Social Sciences)

## STEMS, 2022



*A multi-disciplinary conference*

**Conference dates: March 24-25, 2022**

**Venue:**

The Islamia University of Bahawalpur, Pakistan

[www.iub.edu.pk](http://www.iub.edu.pk)

For Further information and abstract submission: [stemsiub@gmail.com](mailto:stemsiub@gmail.com)

Organized by:

**Directorate of International Linkages**

# STEMS

Science, Technology, Engineering, Mathematics &  
Social Sciences



2<sup>nd</sup> International "STEMS" Conference

## **AIMS OF THE CONFERENCE**

International Conference on **Science, Technology, Engineering Mathematics and Social Sciences** (STEMS, 2022) aims to provide a multi-disciplinary platform where the latest trends in academics can be presented and discussed in a friendly environment with the aim to learn from each other. The objective of STEMS conference is to provide a wide range of the highly technological, original, creative, and quality research covering a board area of research activities in the Science, Technology, Engineering, Computational Mathematics and Social Sciences regulations. It makes the exchange of scientific and practical knowledge and information among technology professionals. Prospective presenters are encouraged to submit proposals for papers and posters/demonstrations that offer new research or theoretical contributions to the broader areas of teaching and learning.

## **WHO SHOULD ATTEND THE STEMS?**

Attended by Undergraduates, Graduates/Postgraduates, Librarians, Study Abroad Advisors, Faculty (Teachers, Lecturers, Researchers, Professors, Head of Department, Deans), College and University students, Novice teachers, Policy Makers and Stakeholders who care deeply about bringing creative, innovative, and rigorous teaching-learning practices in the institutions.

The STEMS attracts experts from all education sectors, schools, Colleges, Universities, vocational education and training, as well as government representatives, Non-governmental Organization staff to learn about the current trends in teaching-learning and to network with other national and international colleagues and industries.

M.Phil and PhD scholars are especially invited to join this international event to enable themselves to not only exhibit their research potential as well as to seek guidance from the national and international experts in the discipline.

## **RENOWNED NATIONAL AND INTERNATIONAL KEYNOTES ARE JOINING STEMS-2022**

### **TYPES OF CONTRIBUTIONS**

You can submit your papers in three modalities: in person (either ORAL or POSTER presentation) or VIRTUALLY (as non-attending author).

#### **Oral Presentation (In-Person Participant):**

Oral presenters are the participants who contribute to the conference in-person with a paper presented orally. Each presentation will last 15 minutes and will be presented in parallel thematic sessions. You will be informed of your session reference and the time of your presentation before the conference.

#### **Poster Presentation (In Person Participant):**

Poster presenters are the participants who contribute to the conference in-person with a poster presentation. Your poster will be exhibited during the conference poster session. Poster sessions will provide an opportunity for authors to display the results and conclusions of their papers. Authors are invited to present their works face to face to individuals and small groups.

# CONFERENCE MAJOR THEMES

**We welcomed all areas of academics from multidisciplinary fields.**

- Computer Science
- Applications of Computer Science
- Artificial intelligence
- Automation and Mobile Robots
- Blue-Tooth Technologies
- Blockchain & Cryptography
- Brain machine Interface System
- Brain Mapping
- Biology
- Microbiology
- Chemistry
- Biochemistry
- Life Science
- Natural Science
- Linguistics
- Statistics
- Engineering
- E-commerce
- LAW
- Education Science and Technology
- Education Technology and Training
- Special Educational needs
- Project Management
- Science and Innovations
- Information Technology
- Communication and Cooperation through Mobile Multimedia
- Agricultural Engineering
- Applied Engineering
- Electrical Engineering
- Industrial Design
- Computational Mathematics
- Web presentation of mathematics
- Management of Information Science
- History, Technology, and Society
- Health Information Technology Management
- Pharmacy
- Arts & Humanities
- Blended Education
- Business Education
- Contemporary Issues in Education
- Distance Education
- Psychology
- Media and Social Network
- Religious Education
- Science Education
- Other issues of interest related to science, technology, engineering, mathematics, and social sciences fields are included in conference major themes.

## ABSTRACT SUBMISSION DETAILS

### Abstracts should contain the followings:

- Relevant and complete title (ideally up to 15 words)
- Full Names, Affiliations, Emails of author(s)
- Research Abstract (ideally 150-300 words) indicating: Research Objectives, Methodology, Findings, Research Outcomes, Future Scope
- 3 to 5 Keywords

**NOTE:** All the abstracts should be submitted as the email attachments to the conference Principal Founder **Dr. Abid Shahzad** at the email address: [stemsuib@gmail.com](mailto:stemsuib@gmail.com) before the deadline (March 10, 2022)

## KEY DATES

- Abstract's submission deadlines: **March 10, 2022**
- Acceptance/rejection letters will be sent within one after the submission of the abstract/full paper.
- Conference camera ready programme: **March 22, 2022**
- **Conference dates: March 24-25, 2022 (Thursday and Friday)**

## REGISTRATION FEE DETAILS

### For International participants:

- USD: 300 (till March 15, 2022)
- Payment on the spot: USD 350
- Note: For international participants, the registration fee includes:
- Free accommodation during the conference
- Free food during the conference
- Conference bag, printed programme, abstract book, nametag etc.

- **Registration fee for national participants:** Rs: 2000/-
- Fee includes Conference bag, printed programme, abstract book, nametag etc.

**CONFERENCE VENUE:** Main Auditorium, Baghdad-ul-Jadeed Campus,  
The Islamia University of Bahawalpur Pakistan.



### **About the Founder of ICOTAL and STEMS**

Dr. Abid Shahzad laid the foundations of ICOTAL in 2018. He earned his PhD degree from the Department of Educational Sciences Ghent University Belgium. Currently, he is serving as an Assistant Professor at the Department of Education, The Islamia University of Bahawalpur. His area of specialization is Teacher Education. He has presented his research papers in a number of countries from where he got the idea of assembling the national and international intellectuals on a single platform. His is active in organizing international conferences, seminars, and workshops. ICOTAL 2018, 2019 and 2020 are the examples of ICOTAL success story. Currently, he is supervising M. Phil and Ph.D. research students in the Department of Education. He has published research articles in various peer-reviewed international journals.

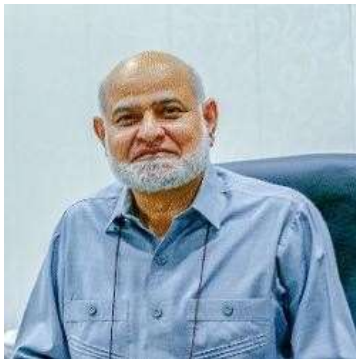
STEMS Email: [stemsiub@gmail.com](mailto:stemsiub@gmail.com)

## **Conference Patron & Chief Organizer**



### **STEMS Patron-in-Chief:**

**Engr. Prof. Dr. Athar Mahboob**  
Worthy Vice Chancellor  
**The Islamia University of Bahawalpur**



### **STEMS Patron Chief:**

**Prof. Dr. Naveed Akhtar**  
Pro-Vice Chancellor  
**The Islamia University of Bahawalpur**



### **ICOTAL & STEMS Founder & Chief Organizer:**

**Dr. Abid Shahzad**  
**Director**  
Directorate of International Linkages (DIL)  
The Islamia University of Bahawalpur, Pakistan

## CONFERENCE HONORARY CHAIRS

	<b>Prof. Dr. Shazia Anjum</b> Dean, Faculty of Science		<b>Prof. Dr. Akhtar Ali</b> Dean, Faculty of Education
	<b>Prof. Dr. Naveed Akhtar</b> Dean, Faculty of Pharmacy/ Medicine and Allied Health Sciences		<b>Prof. Dr. Sheik Shafiq-ur-Rehman</b> Dean, Faculty of Islamic Learning
	<b>Prof. Dr. Jawed Hassan Chandio</b> Dean, Faculty of Arts and Languages		<b>Prof. Dr. Jawad Iqbal,</b> Dean Faculty of Management Sciences and Commerce
	<b>Prof. Dr. Muhammad Amjad</b> Dean, Faculty of Engineering		<b>Prof. Dr. Aftab Hussain Gillani</b> Dean, Faculty of Law
	<b>Prof. Dr. Muhammad Hussain Tahir</b> Dean, Faculty of Computing		<b>Prof. Dr. Rubina Bhatti</b> Dean, Faculty of Social Sciences
	<b>Prof. Dr. Muhammad Khalid Mansoor</b> Dean, Faculty of Veterinary and Animal Sciences		<b>Prof. Dr. Muhammad Iqbal</b> Dean, Faculty of Agriculture and Environment

# ICOTAL 2018



# ICOTAL 2019





## SOME GLIMPSES OF OUR PREVIOUS CONFERENCES ICOTAL 2020



# SOME GLIMPSES OF OUR PREVIOUS CONFERENCES

## STEMS 2021





## GLIMPSES OF THE CONFERENCE VENUE AND THE UNIVERSITY



**SOME PICTURES FROM THE BEAUTIFUL CITY OF  
BAHAWALPUR**



**LOOKING FORWARD TO WELCOME YOU AT  
THE ISLAMIA UNIVERSITY OF BAHAWALPUR**