

International Workshop and Exhibition on Artificial Intelligence in Health Care

Deadline for Applications: October 25, 2020



**International Workshop & Exhibition on
"Artificial Intelligence in Health Care"**

November 24-26, 2020
Venue: COMSTECH Secretariat
Islamabad

Deadline
October 25, 2020

For Registration & Information
www.comstech.org
Muhammad Haris Akram
Programme Manager COMSTECH
Tel : +92 51 9220681-3
Email : haris@comstech.org

Jointly Organized by
COMSTECH Secretariat &
Sir Syed CASE Institute of Technology

Notification

The healthcare industry is developing rapidly with large volumes of data and increasing challenges in cost and patient outcomes. Artificial Intelligence (AI) with its wide applications in the healthcare systems for e.g. internet of things (IoT) for healthcare, gathering of data for AI applications, Intelligent health platform, intelligent hospital management, diagnostic and predictive systems, health care programming paradigms and software architecture, smart medical devices, and security & privacy for medical health care. The developed countries are already reaping the benefits of AI by integrating it into their healthcare systems. However, in low resource settings, its applications are very limited. In such settings, AI can play a tremendous role in improving the efficiency of healthcare systems.

Realizing the importance of AI in the healthcare systems, COMSTECH has planned a three-day workshop focusing on the subject in November 2020.

Venue:

The workshop will be held at the COMSTECH headquarters in one of the most modern and scenic capital cities of the world, Islamabad. The city was purpose-built as the capital of 6th largest globally and 2nd most populous (in OIC) country Pakistan in the year 1966. Pakistan, according to the Forbes magazine, is a hidden treasure for tourists. with rich cultural diversity, ancient history, diverse landscape, cuisines, modern cities, and locally produced items



Objectives of the Workshop:

The objective of this International Workshop on “Artificial Intelligence in Health Care” is to bring together the researchers, industrial partners, and practitioners interested in the specification, design, and development of AI to cultivate smart healthcare systems that will improve personal healthcare in a better way.

Key Contents:

The workshop will cover the following topics:

1. Intelligent Hospital Management
2. Health Software Architecture, Framework, Design & Engineering
3. Internet of things for healthcare
4. Intelligent technologies for healthcare (smart homes, cloud-based, etc.)
5. Programming paradigms and tools for health applications
6. Automated Diagnosis and Prediction
7. Data discovery

Workshop Organizing Committee:

Patron:

Prof. Dr. Atta-ur-Rahman (*FRS., N.I., H.I., S.I., T.I.*)

Chairman Prime Minister Task Force on Information Technology

Chair:

Prof. Dr. Iqbal Chaudhary (*H.I., S.I., T.I.*)

Coordinator General COMSTECH/Director ICCBS/ Distinguished National Professor

Co-Chair:

Prof. Dr. Shoab A. Khan

FOUNDER CARE, Islamabad

Technical Focal Person:

Dr. Shafaat A. Bazaz

Vice Chancellor, Sir Syed CASE Institute of Technology, Islamabad

Resource Persons:

1. Professor Ashiq Anjum

Professor of the distributed systems,

University of Leicester, UK

Profile of the speaker is available here



2. Prof Amir Hussain

Edinburgh Napier University,

Scotland, UK

Founding Head of the Data Science
and Cyber Analytics (DSCA) Research

Group

Founding Head of the Cognitive Big
Data and Cybersecurity (CogBiD)
Research Lab

[Profile of the speaker is available here](#)



3. Dr. Atif Mashkooor

Senior Researcher,
LIT Secure and Correct Systems LAB
Institute for Software Systems
Engineering,
Johannes Kepler University,
Linz, Austria

[Profile of the speaker is available here](#)



4. Dr. Usman Akram

Associate Head of Department,
College of Electrical and Mechanical
Engineering,
National University of Sciences and
Technology,
Islamabad, Pakistan.



5. Dr. Ahmad Raza Shahid

Assistant Professor
COMSATS University,
Islamabad, Pakistan



6. Dr. Muhammad Salman Khan

Assistant Professor,
University of Engineering and
Technology,
Peshawar, Pakistan



7. Dr. Sadia Shakeel

Assistant Professor,

Institute of Space Technology,
Islamabad, Pakistan



8. Mr. Khurram Ilyas

Director Techlogix

Profile of the speaker is available here



9. Mr. Muhammad Usama

Senior Data Scientist,

MTBC



Target Audience:

Healthcare professionals, students, researchers, young entrepreneurs and policymakers from the OIC countries are encouraged to apply.

Travel & Local Hospitality:

COMSTECH will arrange complete local hospitality, internal transportation, gala dinner and sightseeing visits for all registered participants. Travel support will be provided to the speakers/resource persons only. Participants are expected to get their travel funding from their parent organizations/country of origin.

Registration Process:

Step 1: Fill online from Here

Step 2: Read instructions in the application form carefully and submit a properly filled form along with your CV. Foreign participants must submit a scanned copy of the first three pages of their passport along with the application form.

Step 3: Selected candidates will be notified through email; hence, applicants are required to check their emails regularly.

The workshop Comprises of the four following major activities

1. **Poster Presentations**
2. **Technical Talks (Plenary Sessions)**
3. **Training Program (Python etc.)**
4. **Exhibition of Products/Services in AI for Health**

Participations in above three categories are invited to show case your contribution in the above mentioned or relevant fields of Research and Development. The workshop would be a good forum to get your research appreciated

1. **Poster Presentations**

To participate in poster presentation activity or to showcase your research work and projects, please email your four page draft at muhammad.saleem@case.edu.pk according to the guidelines for poster presentations and poster templates. The best three posters will be awarded after the judgment procedure. The last date for the submission of posters is October 25th 2020.

- Guidelines for Poster Presentation
- Template for Poster Presentation

2. **Plenary Session**

The event will be open for all participants for technical talks, discussions, presentations etc.

3. **Training Program**

To participate as trainer or trainee, please email your Expression of Interest and theme of training (as trainer, maximum one page) latest by October 25th 2020 at adeel@case.edu.pk

4. **Exhibition of Products/Services in AI for Health**

Young entrepreneurs are encouraged to display their research products/services in field of AI applications for healthcare industry. Please email your Expression of Interest and details of your product/services latest by October 25th 2020 at haris@comstech.org.

Workshop Coordinators:

Muhammad Haris Akram

Programme Manager, COMSTECH

Tel: +92-51-9220681-3

Fax: +92-51-9205264, +92-51-9220265

Email: haris@comstech.org

Dr. Saman Riaz

Assistant Professor

Sir Syed CASE Institute of Technology, Pakistan

Email: saman.riaz@case.edu.pk