

## IEEE NATIONAL WORKSHOP ON ROBOTICS AND INDUSTRIAL AUTOMATION

Industrial  
Automation



Brain  
Storming



Workshop



Spark  
An Idea



Implement  
Robotics



## IAS IEEE National Workshop on Robotics and Industrial Automation

### Event Date:

24<sup>th</sup> August 2016

### Time:

9:30 am – 4:30 pm

### Location:

University of  
Management and  
Technology Lahore

### Resource Person:

1. Usman Munawar  
(SAC-IEEE Lahore  
Section)
2. Syed Muhammad  
Rizwan-(IAS  
Representative  
Lahore Section)

IAS IEEE NATIONAL WORKSHOP ON ROBOTICS AND INDUSTRIAL AUTOMATION is so designed to acknowledge students regarding trend in Industrial Automation. Academia must keep its pace with revolution of industries and particular research will be done in Industrial Automation for the welfare of country.

- 1) Technical Talks by Industrial Experts
- 2) Industrial Academia Linkage
- 3) Student Project Presentations
- 4) Panel Discussion

## Event Organizers :

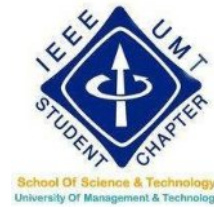


1. Industry Applications Society IEEE Lahore Section

2. IEEE Lahore Section



3. IEEE University of Management and Technology Lahore



## Event Collaborators :

1. Al-Khwarizimi Institute of Computer Science  
UET LAHORE



2. Comsats Lahore



3. University of Central Punjab, Lahore.



# IAS IEEE National Workshop on Robotics and Industrial Automation

*(in fully practical way with the learning by doing policy)*

( By Syed Muhammad Rizwan )

(On behalf of IAS LAHORE SECTION)



IAS Lahore Section in collaboration with IEEE Chapter of "University of Management and Technology Lahore" organized **IAS IEEE National Workshop on Robotics and Industrial Automation** on 24<sup>th</sup> August 2016.

The workshop was designed to acknowledge students regarding trend in Industrial Automation. Academia must keep its pace with revolution of industries and particular research will be done in Industrial Automation for the welfare of country. The workshop was followed by 7 sessions from best Speakers in field of Industrial Automation and at the end of event; there was a panel discussion of Industrial Experts and Students.

## **Objectives of Workshop:**

- o To foster culture of Industrial Robotics in Country.
- o To establish a strong linkage between academia and industry.
- o To expedite the process of technology and revolution in Pakistan by motivating both academia and industry to acquire, promote and utilize state of-art technologies/high-tech software for the rapid development of Industrial Robotics and Automation.

## **Workshop Content:**

1. Introduction to Machine Consciousness (future challenges in the development of Humanoid Robots which possess a certain level of functional consciousness Industrial Humanoid Robot.
2. Introduction to Urban Robots used in Agriculture.
3. Industry 4.0 (The Future of Industrial Robotics)
4. Improvements real-life Robotic applications and future development of the projects.
5. Usage of PLC-SCADA in Industrial Automation.
6. Smart City and Smart Automation
7. Panel Discussion

## **Steering Committee:**

M. Khan Nazeer (IEEE UMT Branch Counsellor)  
Fahad Usman (Vice Chair IEEE UMT)

## **Distinguished Guests**

1. Dr Amjad Hussain – Director Fast University Lahore
2. Rao Khalid – Managing Director NSR Energy Solutions
3. Farhan Riaz – TICK UET Lahore
4. Kashif Bashir (KICS UET Lahore)
5. Nadeem Akhtar (ZIN Technologies)

## **Distinguished Speakers**

1. Dr Wajahat Mehmood Qazi – COMSATS Lahore
2. Dr Yasir Niaz – UCP Lahore
3. Mr Muhammad Adeel – University of Stuttgart Germany
4. Miss Hima Zafar – Mehran University Jamshoro
5. Dr. Zeeshan from UMT Lahore.

➔ From academia side we got support from 6 major institutions

1. KICS University of Engineering and Technology Lahore
2. University of Management and Technology Lahore
3. FAST NUCES Lahore
4. Comsats Lahore
5. University of Central Punjab
6. Punjab University Lahore

➔ From Industrial side we got collaboration with NSR and FSK pvt Ltd (Leading Industrial Automation Services in PLC Trainings)



- Students who participated in the workshop came from all over the Pakistan( Punjab, Sindh and KPK). Technological advancements in Robotics and Industrial Automation was discussed in the session.
- Participants acknowledged the worth is linkage of Academia and Industry. They came to know how to enhance their skills so that they can introduce themselves in industry.

**Glimpses of IEEE National Workshop on Robotics and Industrial Automation :**







