



DR. ASIF AHMED MEMON

Asst. Professor

Institute of Industrial Electronics Engineering (IIEE), Karachi
Pakistan Council of Scientific and Industrial Research
Government of Pakistan

CONTACT

PHONE:
0333 3145037

EMAIL:
asifmemon@iiee.edu.pk

EDUCATION

PhD

In 2022 from NED University of Engineering and Technology, Karachi
Department of Electronic Engineering

Wireless interconnected mobile robot network based
mapping and scanning

M.Eng

NED University of Engineering and Technology, Karachi
Department of Electronic Engineering

Specialization in Industrial Electronics

BE (Electrical)

Balochistan Engineering College Khuzdar
Department of Electrical Engineering

WORK EXPERIENCE

1. **Institute of Industrial Electronics Engineering (IIEE), Karachi**
Pakistan Council of Scientific and Industrial Research
Ministry of Science and Technology. Government of Pakistan

- **Assistant Professor (Chief Instructor)**

Since 26th October 2021

- Conducting lectures and labs
 - Embedded Systems
 - Digital Logic Design
 - Electrical Machines
- IEEE Branch Councilor
- In charge of Advance Electronics Lab
- In charge of Electrical Machine Lab
- OIC Store of IIEE
- Member Final Year Projects Steering Committee
- In charge Health and Safety committee
- Member IIEE Admission committee

- **Lecturer (Sr. Instructor)**

From 30th July 2003 to 25th October 2021

- 2. CNC Industrial Consultant. Managing Partner**
From February 2001 to June 2003
Design and develop digital control systems
 - 3. International Fabrics Ltd (Korangi Industrial Area, Karachi)
Maintenance In charge**
February 2000–February 2001
 - 4. Johnson and Phillips Ltd. SITE Karachi
Development Engineer**
November 1996 to February 2000
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PUBLICATIONS

1. Jafri, Syed Riaz un Nabi, Sheraz Shamim, Sadia Muniza Faraz, Asif Ahmed, Syed Muhammad Yasir, and Jamshed Iqbal. "Characterization and calibration of multiple 2D laser scanners." PloS one 17, no. 7 (2022): e0272063.
2. Asif Ahmed, Syed Riaz Un Nabi Jafri, and Syed Muhammad Usman Ali. "A Rover Team Based 3D Map Building Using Low Cost 2D Laser Scanners." IEEE Access 10 (2021): 1790-1801.
3. Vision based multiple robot autonomous navigation system using local sensor. At 4 th international Electrical Engineering Conference (Aspire 2019)
4. Rabeea khan, Muhammad Zeeshan Yousaf, Asif Ahmed Memon, Sajid Hussain, Abdul Muttalib "Algorithm and Implementation of Human Following Co-bot using 2D LiDAR", Pakistan Journal of Engineering and Technology (PAK JETO, Vol 4, No 2, 2021.
5. Person Following Robot with 2D LIDAR: A Categorical Overview, Rabeea khan, Muhammad Zeeshan Yousaf, Asif Ahmed Memon, Sajid Hussain, International Journal of Scientific & Engineering Research Volume 11, Issue 11, November-2020
6. Ahmed, Junaid, Bhavesh Kumar, Farah Haroon, and Asif Memon. "Implementation of Industrial Wireless Closed-Loop Control Network Using ZigBee." Accepted Papers (2011): 238.