

## **Dr.Qamar-Ul-Wahab**

**Contact No:** +9921-99261261-8      **(Ext. 2215, 2407)**

**Email:** quw@ifm.liu.se

### **Position:**

IT Chair Professor

Faculty of Electrical and Computer Engineering (ECE)

### **Qualification:**

PhD in Wide Band-gap Semiconductor Based Power Electronics, Linköping University, Sweden (1994)

M.Sc & M.Phil (Physics), Quaid-e-Azam University, Pakistan

### **Publications:**

- Articles in International Journals (56)
  - Articles in Peer Reviewed Conferences (61)
  - Book Chapters (04)
  - Popular Science Publications (9 Review articles)
  - Other Publications (8 Technical reports)
- Total Publications (**138**)

### **Research Projects:**

#### **1. Wide Bandgap Semiconductor Based Electronic and Photonic Devices**

- High power wide bandgap (SiC and GaN) based power amplifier designing and fabrication for communication systems
- Silicon-Carbide based LEDs (Kamiyama diodes)
- Zinc-Oxide based PN junctions for LEDs

#### **2. High Efficiency Power Amplifiers for RF Applications**

- Gallium-Nitride based voltage controlled oscillators (VCOs) for power transmitters
- Flexible Power Amplifiers in CMOS technology