

**Syed Riaz un Nabi Jafri**  
**PhD Student, M.E (Industrial Electronics), B.E (Industrial Electronics)**

## **Education**

### **PhD Student (enrolled in 2010)**

Department of Tele Robotics and Applications (TERA)  
Italian Institute of Technology-University of Genova  
Genova-Italy

### **Master of Engineering 2007**

NED University of Engineering & Technology, Karachi, Pakistan

### **Bachelor of Engineering 2003**

Institute of Industrial Electronics Engineering P.C.S.I.R, Karachi, Pakistan  
(Affiliated with NED University of Engineering & Technology, Karachi)

## **Experience Summary**

### **Two years teaching experience in Universities/Institutions (2008 to 2009):**

- Assistant Professor (NED University, Karachi)
- Visiting faculty member of IIEE (NED University, Karachi)
- Visiting faculty member of UIT (Hamdard University, Karachi)

### **Five years experience on different projects in Industrial Organization (2003-2007):**

- Navigation of vehicle by using GPS-INS based solution
- GPS based navigation of unmanned land vehicle (ULV)
- Development of Low Cost SLAM Mobile Robot for Indoor/Outdoor applications
- Remote sensing and Telemetry

## **Papers**

- Distributed Feature Based RBPF Multi Robot SLAM; IEEE-ROBIO 2011, Phuket-Thailand.
- Intelligent Navigation of Unmanned Land Vehicle by using GPS & One ABS Sensor; IEEE-ICARA , Feb-2009, Wellington-New Zealand.
- Improved Path Planning & Controlling for a Low Cost Navigation Solution of Unmanned Land Vehicle; IEEE-UK Sim, 11th International Conference on Computer Modeling & Simulation Mar-2009, Cambridge-UK.
- Perception estimation for vehicle Motion; 3rd UKSIM European Symposium on Computer Modeling and Simulations (EMS-09) Greece.
- Advance Vehicle Tracker for Automobiles; IEEE Student Conference 2009 Malaysia.

## **Experience and Familiarity with Various Applications, Tools and Environments**

- Development Tools: Kdevelop C++, MPLAB, PINNACLE
- MATLAB and Simulink
- OrCAD (Capture, PSpice, Layout)
- PLC hands-on experience on Siemens S7 and S5
- PIC18, ATMEL programming in Assembly and C

## **Personal Information**

Date of Birth: 3rd March, 1981

Marital Status: Married

Hobbies: Electronic circuit designing, reading, sports