**Umar Iqbal**

**Area of Expertise**

Inertial Navigation, GPS, MEMS- Based Inertial Sensors, Autonomous Driving, Multi-Sensor Integration, Robotics, Portable Navigation, Real-time System Navigation systems, Embedded System for Navigation, Intelligent Transportation System, Integrated Navigation Systems

**Bio**

Umar Iqbal (SM’IEEE), received B.Sc. degree in Electrical Engineering from the University of Engineering and Technology, Lahore, Pakistan in 1993. Having worked in technical positions for few years, he joined GIK Institute of Eng. and Tech. Topi, Pakistan for M. Sc. in 2002 and after graduation he joined the faculty of GIKI as lecturer from 2004 - 2006. He did the MSEE degree from Royal Military College (RMC) of Canada, Kingston, Canada in 2008 and the Ph.D. degree in Electrical and Computer Engineering (ECE) from Queen’s University, Kingston, Canada in 2012.

In Fall, 2012, he joined the Department of ECE of Queen's University, Kingston, Canada as Adjunct Assistant Professor. Since January 2013 he has been with Trusted Positioning Inc., Calgary, Canada, where he is currently a Lead Product Integrator. He has also served as the Deputy Director of the Navigation and Instrumentation Research Laboratory, RMC (Fall 2006 – Fall 2012) and as Teaching Fellow with Queen’s University.

During his Ph.D. studies at Queen’s he has received a number of scholarships including Ontario Graduate Scholarship. After his doctorate, he was awarded Industrial Research and Development Fellowship from NSERC and Alberta Innovates Industry r&D Associates Fellowship. Dr. Iqbal has served as the Champion of the IEEE Teacher In-Service Program Kingston Section, the Secretary of the IEEE Kingston Section, and a member of the Senate Committee on Academic Development, Queen’s University.