



Professor Ashiq Anjum is currently serving at the University of Leicester, UK as a Professor of the distributed systems. Previously, he has served as a Professor and Director of the Data Science Research Centre at the University of Derby, UK. His areas of research include data intensive distributed systems, distributed machine learning models and high performance analytics platforms for continuous processing of streaming data.

He has been part of the EC funded projects in distributed healthcare systems and large scale medical data analytics such as Health-e-Child (IP, FP6), neuGrid (STREP, FP7) and TRANSFORM (IP, FP7) where he has investigated resource management and optimization issues in large scale distributed healthcare systems and provided platforms for high performance medical data analytics.

He has been closely working with healthcare providers, hospitals and pharma companies in investigating high performance analytics systems for distributed clinical intelligence and integration, iterative genome analytics and precision medicine.

He has been investigating large scale distributed systems and analytics platforms for the LHC data in collaboration with CERN Geneva Switzerland for the last fifteen years.

Prof. Anjum has secured grants from industrial partners, Innovate UK, RCUK and other funding agencies for investigating high performance video analytics systems for producing intelligence and evidence for medical, security, object tracking and forensic science applications. This work is now being used to process satellite data for compliance checking and risk management of large construction projects.

Currently he is working with; 1) rail companies to investigate how rail infrastructures and services can benefit from Internet of Things (IoT) and real time analytics by intelligently analyzing streams of data arriving from large rail networks for improving the accuracy, reliability and capacity of rail infrastructures and services, 2) automotive & logistics companies supported by Innovate UK to investigate smart tracking and logistical models using innovative IoT technologies and machine learning approaches for intelligent stock tracking, warehousing and distributed supply chain management optimization, and 3) a leading VR provider (grant from Innovate UK) to commoditise digital twins and enable real time visualization of data models and distributed algorithms in a Virtual Reality environment.