**Syed Hammad Mian**

**Research Interests**

Metrology, Reverse Engineering, Additive Manufacturing

**Education**

* M.S: Industrial Engineering, October 2011 Grade: (4.72/5)

King Saud University, Riyadh, Saudi Arabia

* B.Tech: Mechanical Engineering, July 2008 Grade: (9.04/10)

Jamia Millia Islamia, New Delhi, India

**Experience**

* Researcher

August 2012 to present

Advanced Manufacturing Institute, King Saud University, Riyadh

* Research Assistant

November 2008 to June 2012

Princess Fatima Alnijris’s Research chair for Advanced Manufacturing Technology (FARCAMT), King Saud University, Riyadh

* Management Trainee

ABB India Ltd (July 2008-Sept 2008)

**Publications**

**Journals**

* Analysis of Performance measures of Flexible Manufacturing Systems”, Journal of King Saud University 2011, Engineering sciences; 24 (2): 115-129
* The Influence of surface topology on the quality of the point cloud data acquired with laser line scanning probe, Sensor Review 2014; Vol 34 Issue 3, pp 255-265
* Multi-sensor Integrated System for Reverse Engineering, Procedia Engineering 2013; 64: 518-527
* Enhance performance of inspection process on Coordinate Measuring Machine, Measurement 2014; 47: 78-91
* New developments in coordinate measuring machines for manufacturing industries, International Journal of Metrology and Quality Engineering 2014; 5 (1): 1-10
* Accuracy of reverse engineered mold using contact and non-contact sensors, International Journal of Computer Integrated Manufacturing 2015; 28 (5): 419-436
* Feature-based design approach for integrated CAD and computer-aided inspection planning, International Journal of Advanced Manufacturing Technology 2015; 76 (9): 2159-2183

**Conferences**

* Set up Planning for Automatic Generation of Inspection Plan, The International Conference on Sustainable Intelligent Manufacturing, Lisbon, Portugal, Jun 26 – 29, 2013
* A Multistage Approach for Buffer Size Decision in Serial Production Line. In SIMULTECH 2015 - Proceedings of the 5th International Conference on Simulation and Modeling Methodologies, Technologies and Applications, Colmar, Alsace, France, 21 - 23 July, 2015, SciTePress

**Trainings &Technical skills**

* Undergone SIX weeks summer training with Maruti Udyog Ltd, Gurgaon, India (2006).
* Process study, data collection & analysis of weld shop related process in ASSY-3 and the optimization of the same
* Data collection of weld shop repair area trends for streamlining the assembly process
* Six Sigma green belt
* Metrology, Dimensional and geometrical inspection (Zeiss ACCURA)
* CMM programming (Calypso, DMIS)
* Reverse Engineering (Geomagics, Dimension, Holos)
* 3D scanning (Faro arm, VAST XT, VAST XXT, LineScan)
* Statistical analysis (Minitab)
* Knowledge of CAD (Catia V5, Pro-E, MasterCAM)
* Microsoft Word, Excel, PowerPoint