

## Curriculum Vitae

## Imran Ahmad

<b>Personal</b>	
Name	Imran Ahmad
Current Position	PhD Scholar, South Korea.
E-mail	<a href="mailto:Imranahmad82@gmail.com">Imranahmad82@gmail.com</a>
Cell	+923459160371 , +8210-73990093 (South Korea)
Nationality	Pakistani
<b>Experience</b>	
Position	<b>Lecturer</b>
Dates	October 2012 – February 2016
Main activities and responsibilities	Lecturing, supervising undergraduate projects and managing departmental media related activities. Subjects taught include Industrial Systems Simulation and Mechanics of Materials, Quality Engineering, Manufacturing processes.
Employer	Department of Industrial Engineering, University of Engineering and Technology, Peshawar
Position	<b>Lab Engineer</b>
Dates	June 2010 –October 2012
Main activities and responsibilities	Teaching Lab course to students and maintaining the machinery used for commercial tests. Main subjects taught are, materials engineering lab, solid mechanics lab and industrial system simulation lab
Employer	Department of Industrial Engineering, University of Engineering and Technology Peshawar
Position	<b>Teaching Assistant</b>
Dates	March 2010 - June 2010
Main activities and responsibilities	Responsibilities included assisting senior faculty in checking assignments, preparing lectures, setting exam papers. Taught system simulation software ARENA and SIMIO
Employer	Department of Industrial Engineering, University of Engineering and Technology Peshawar
<b>Education</b>	
Qualification	<b>PhD ( In progress, Hanyang University, South Korea)</b>
	Started Fall 2016 (Qualifying exam passed)
Department	Industrial Management Engineering
Research Area	Ergonomics, Electromyography, Electroencephalography, Muscle fatigue analysis, Biomechanics, Design of experiment, Ergonomic product designing, Cognitive and physiological ergonomics.
Qualification	<b>Masters</b>
Dates	September 2012 (graduated)
Principal subject	Industrial Engineering, (Manufacturing systems Engineering) Dept. of Industrial Engineering, University of Engineering & Technology Peshawar

Qualification Dates Principal subjects Name of Institution	<b>Bachelors</b> September 2004 - August 2008 Mechanical Engineering Department of Mechanical Engineering University of Engineering and Technology, Peshawar, Pakistan
<b>Research Interests</b>	<ul style="list-style-type: none"> <li>Ergonomics, Human muscle modelling and simulation</li> <li>Systems Simulation, Health and transportation sectors.</li> </ul>
<b>Research Projects</b>	<ul style="list-style-type: none"> <li>Evolution of whole body fatigue for dynamic squat lifting through electromyography and determination of sensation.</li> <li>Game addiction recognition through EEG signals detection.</li> <li>Evaluation of LG and Samsung vacuum cleaner design based on accumulative fatigue off upper limb muscles.</li> <li>Performance Analysis of a Ceramic Factory through Internal Benchmarking using Simulation</li> <li>Simulation based study on reducing hospital waiting time</li> <li>Time and motion study of a local kitchen utensils factory to find bottleneck and giving alternate solutions through simulation model development.</li> <li>Shop floor improvement of Pakistan Locomotive factory in terms of material handling time using genetic algorithm.</li> </ul>
<b>Other Projects</b>	<ul style="list-style-type: none"> <li>Designed and Fabricated Remote Controlled Aeroplane for a Design Built and Fly contest hosted by American society of Aeronautics and astronauts Peshawar chapter</li> <li>Designed a mechanical Structure for an automatic guided vehicle for a National Engineering and Robotics Contest 2007</li> <li>Heating Load calculation of a public sector hospital</li> </ul>
<b>Trainings and Workshops/ Certificates</b>	<ul style="list-style-type: none"> <li>Human Subjects Research- Biomedical Basics (CITI Program) 2017</li> <li>Technology Entrepreneurship workshop</li> <li>Internship at Heavy Industries Taxila</li> <li>Internship at Heating Ventilating and air-conditioning plant of a hospital</li> <li>Internship at Aluminium kitchen utensils factory</li> <li>Secured 3<sup>rd</sup> place in 2<sup>nd</sup>National Design, Built And Fly Contest at GIK Institute(2007)</li> <li>Award for making a simplified model of existing AL-KHALID armored tank in PRO-E organized by American Society of Mechanical Engineers (ASME) UET Peshawar Chapter</li> <li>Awards for organizing ASME &amp; Robotics club event.</li> <li>Award for Best Drama in Drama competition organized by Literary and Debating Society</li> </ul>
<b>Software &amp; computer skills</b>	<ul style="list-style-type: none"> <li>SIMIO simulation software</li> <li>ARENA simulation software</li> <li>MiniTab</li> <li>MATLAB</li> <li>PRO Engineer</li> <li>Adobe Photoshop</li> </ul>

<p><b>Publications</b></p>	<ul style="list-style-type: none"> <li>• Imran Ahmad, and Jung-Yong Kim. "Assessment of Whole Body and Local Muscle Fatigue Using Electromyography and a Perceived Exertion Scale for Squat Lifting." International journal of environmental research and public health 15.4 (2018): 784.</li> <li>• Uroosa Nadir, Shahid Maqsood, Imran Ahmad, "Assessment of comfort level of different chairs for class rooms based on ergonomic factors, Professional trends in engineering University of Engineering and Technology, Peshawar. (2018 24-25 April)</li> <li>• Imran Ahmad, Sahar Noor "Performance analysis of a Ceramic factory through internal benchmarking using simulation technique", International Conference of Engineering and Sciences 2012, Lahore , Pakistan</li> <li>• I.Ahmad, A. Hussain, S. Maqsood, S. B. Khattak, "Internal Benchmarking in Discrete Manufacturing through Simulation", Journal of University of Engineering &amp; Technology (UET) Taxila, Pakistan ,(2015) Vol. 20, No. II (Special Issue),pp. 177-184 ISSN: 2313-7770</li> <li>• M. Abbas, S.B. Khattak, I. Hussain, S. Maqsood, I.Ahmed "Evaluation of Factors affecting the Quality of Construction Projects" Journal of University of Engineering &amp; Technology (UET) Taxila, Pakistan ,(2015) Vol. 20, No. II (Special Issue),pp. 115-120 ISSN: 2313-777</li> <li>• Ahmad ,Suhaib,Sahar Noor "A Simulation based study for managing hospital resources by reducing waiting time " (Under Process)</li> </ul>
<p><b>Other interests</b></p>	<p>Photography, movie making, playing cricket, playing guitar</p>