



DR. SAEED BADSHAH

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: Office No. B-022, Block-2, Department of Mechanical Engineering, International Islamic University Islamabad, Pakistan.

Objective Striving to become an enthusiastic Engineer with abilities and ambition to succeed in a position of responsibility and prospective growth.

Education

- 2007- 2011 Doctor of Science (PhD.)
Institute of Mechanics and Mechatronics, Vienna University of Technology, Austria.
Thesis Title: Identification of vibration and elastic properties of aluminum foam using modal testing and analysis.
- 2004-2006 Masters in Mechanical Engineering
N.W.F.P University of Engineering and Technology Peshawar, Pakistan.
- 1999-2003 Graduate in Mechanical Engineering
University of Engineering and Technology Taxila, Pakistan.

Professional experience

- Dec-2013-Till Now Associate Professor, Department of Mechanical Engineering, International Islamic University Islamabad, Pakistan.
- Feb. 2012-Dec-2013 Assistant Professor, Department of Mechanical Engineering, International Islamic University Islamabad, Pakistan.
- Nov. 2007- Jan. 2012 Project Assistant, Institute of Mechanics and Mechatronics, Vienna University of Technology, Austria.
- Feb. 2007 - Nov. 2007 Lecturer, Air University, Mechanical and Mechatronics Engineering Department, Islamabad, Pakistan.
- June 2004- Feb 2007 Assistant Manager, National Engineering and Scientific commission (NESCOM), Islamabad, Pakistan.
- Apr. 2003-June 2004 Visiting Faculty member, COMWAVE Institute of Sciences and Information Technology / Manager, Saeed Autos Murree road Shamasabad Rawalpindi, Pakistan.

Academic/Administrative Responsibilities

- Chairman Department of Mechanical Engineering (DME) IIUI, Feb-2013-till 29-01-2019.
- Convener Board of Study (DME) till 29-01-2013,
- Member Board of Faculty (FET), FET Steering Committee.
- Member Unfair Mean Committee IIUI
- Member Conference and Seminar Committee, IIUI
- Member Purchase Committee FET, 2012-till now
- Member FET Open House 2012-till now
- Member IIUI Convocation Committee 2014 & 2016

- Incharge Admission and Exam Committee Faculty of Engineering and Technology (FET), IIUI, Spring 2013- Spring 2015
- Incharge at IIUI, Admission Entry Test 2017 (UET & PIEAS)

Languages

- Good spoken and written English, Urdu, Punjabi and Pashto, Basic conversational German.

Research interest

- Finite element modeling, Experimental Modal testing and analysis, Cellular metals, Aluminum foam, Inverse problems, Identification techniques, Structural dynamics, Structural optimization, Renewable Energy, Tidal Current Turbines.

Professional Trainings

- Workshop on “Capacity Building for Doctoral Provision in Pakistan” held at Ramada Islamabad, 1 Club Road Islamabad by HEC on 20th-23rd Feb. 2018.
- Two Days Workshop on “Outcome Based Accreditation (OBA) for program evaluators” held at PEC HQ, Islamabad on 08-09 February, 2018.
- 2-days workshop titled “Outcome Based Education System” held at FET, IIU in collaboration with PEC on 3-4 December 2017.
- Training Workshop on "Assessment and Complex Engineering Problems" for PEVs, September 24, 2016 at PEC HQ, Islamabad.
- Overview of Engineer Mobility, Accreditation and FEIAP Engineering Education, Guidelines Outcome Based Education (OBE) System, September 16, 2016 at PEC HQ, Islamabad.
- Seminar on “Implementation of Blooms Taxonomy in Engineering Education”, August 31, 2016, at DEE, FET, IIUI.
- Seminar on “Outcome Based Education”, July 19, 2016, at DEE, FET, IIUI.
- Advance Faculty Professional Development course on Ensuring Training Effectiveness (Asian Institute of Technology, Thailand: from 23rd March – 10th April 2015)
- Total Quality Management in Public Sector (Secretariat Training Institute, Establishment Division of Pakistan Islamabad, 19th -22nd August 2013)
- Maintaining High Performance (Pakistan Manpower Institute, Pakistan: from 12-11-2012 to 16-11-2012)
- 18th Master Trainer- Faculty Professional Development Program (Learning Innovation Division, Higher Education Commission Islamabad, Pakistan: from 03-04-2012 to 01-06-2012)
- Pro-Engineering Wildfire (KSOF computer solution provider, Islamabad Pakistan: from 15-12-2004 to 14-01-2005)

Computer Skills

- Pro Engineer, ANSYS, COMSOL Multiphysics, IDEAS, LMS Test.Lab, Istra (software from Dantec dynamics for Q-300 and Q-500 systems), Scanning laser vibrometer (Polytec), MATLAB, Auto CAD and AMD.

Awards & Honors

- PEC Accreditation Program Evaluator.
- HEC MS/PhD Program Review Panel member.
- Approved Supervisor for PhD and Master Students, Higher Education Commission (HEC), Pakistan
- PhD Scholarship by HEC Pakistan Under the program “Overseas scholarships for Ms/Mphil leading to PhD in selected field, Phase-II”

Professional Membership

- Pakistan Engineering Council, PEC MECH/17409
- IEEE Power and Energy Society
- American Society of Mechanical Engineers, ASME

- The Institution of Engineers Pakistan, IEP
- Society of Mechanical Engineers of Pakistan, SMEP

Conference/Seminar/Workshop organized

- **Conference Chair** 4th International Conference on Power Generation Systems and Renewable Energy Technologies (PGSRET) September 10-12, 2018, IIUI, Pakistan.
- **Focal Person** 2-days workshop titled “**Outcome Based Education System**” held at FET, IIU in collaboration with PEC on 3-4 December 2017
- **Conference Chair** 3rd International Conference on Power Generation Systems and Renewable Energy Technologies (PGSRET) April 04-06, 2017, UTM Johor Bahru, Malaysia.
- **Conference Secretary** 2nd International Conference on Power Generation Systems and Renewable Energy Technologies (PGSRET) June 10-11, 2015, Islamabad, Pakistan (Focal Person, Sponsored by HEC).
- **Publication Co-Chair** International Conference on Intelligent Systems Engineering (ICISE) Jan. 15-18, 2016, Islamabad, Pakistan (Sponsored by HEC)
- **Program Coordinator/Organizer**, 5 Days Faculty Skills Development Workshop, June 15-19, 2015, IIUI Islamabad Pakistan (Focal Person, Sponsored by HEC)
- **Program Coordinator/Organizer**, HEC 18th Master Trainers- Faculty Professional development programs (MT-FPDP) Cascading Training Workshop, 30th June– 3rd July 2014, IIUI Islamabad, Pakistan).

Keynotes talk/Resource Person

- Keynote Talk on “Modelling Tidal Current Turbines-Comparison of Computational Fluid Dynamics and Fluid Structure Interaction modelling” The Ninth Jordanian International Mechanical Engineering Conference (JIMEC 2018) Landmark Hotel, Amman – Jordan, 16-17 October 2018.
- Keynote Talk on “Renewable Energy Resources in Pakistan” 1st International Conference on Advances in Engineering & Technology (ICAET 2018), BUITEMS, Quetta, Pakistan, 2-3 April 2018.
- Keynote Talk on “Renewable Energy Resources” 3rd International Conference on Power Generation Systems and Renewable Energy Technologies (PGSRET 2017), UTM, Johor Bahru Malaysia, 4-6 April 2017.
- Keynote Talk on “Aluminum foam-lightweight material” in 1st International Conference on Advanced Materials and Processing – 2017, Mehran University of Engineering & Technology, Jamshoro, Pakistan, 28 Feb. – 2nd March 2017.
- Resource Person on “How to write research proposal” 5 Days Faculty Skills Development Workshop, IIUI Islamabad Pakistan, June 15- 19, 2015

Journal Publications

1. Mujahid Badshah, Saeed Badshah “Performance prediction of tidal current turbine using coupled Fluid Structure Interaction modelling” Part A: Journal of Power and Energy (Submitted) (**Impact Factor 1.022**)
2. Muhammad Altaf, Muhammad Uzair, Muhammad Naeem, Ayaz Ahmad, Saeed Badshah, Jawad Ali Shah, Almas Anjum “Automatic and Efficient Fault Detection in Rotating Machinery using Sound Signals” Acoustic Australia (Accepted) (**Impact Factor 0.735**)
3. Muhammad Imran, Rafiullah Khan, Saeed Badshah “Vibration Analysis of Cracked Composite Laminated Plate: A Review” Mehran University Research Journal of Engineering & Technology (Accepted) (**HEC recognized X Category**)
4. Nazeer A. Anjum, Shahid Mehmood, Waqas Anwar, Zahid Sulman, S. Badshah “Augmentation of Fatigue and Tensile Strength of AA-6061 Processed through Equal Channel Angular Pressing”

5. Mujahid Badshah, James VanZwieten, Saeed Badshah, Sakhi Jan "CFD study of blockage ratio and boundary proximity effects on the performance of a tidal turbine" IET Renewable Power Generation" Vol 13, 2019.**(Impact Factor 3.488)**
6. Fida Hussain, M. Ashfaq Ahmad, Saeed Badshah, Rizwan Raza, M. Ajmal Khan, Saleem Mumtaz, Saad Dilshad, Raja Ali Riaz, M. Jafar Hussain, Ghazanfar Abbas "A modeling approach for low temperature SOFC based micro-combined heat and power systems" International Journal of Modern Physics B, Vol. 33, 2019**(Impact Factor 0.769)**
7. Muhammad Imran, Rafiullah Khan, Saeed Badshah "Investigating the effect of delamination size, stacking sequences and boundary conditions on the vibration properties of carbon fiber reinforced polymer composite" Materials Researchvol.22 no.2, 2019**(Impact Factor 1.103)**
8. Muhammad Imran, Rafiullah Khan, Saeed Badshah "Finite element analysis to investigate the influence of delamination size, stacking sequence and boundary conditions on the vibration behavior of composite plate" Iranian Journal of Materials Science and Engineering Volume 16, Issue 1, 2019.**(ISI Indexed)**
9. Muhammad Amjad, AbdurRafai, Saeed Badshah, Sajjad Ahmad "Finite Element Investigation of the RealLife Loadings on the Ti-27Nb Hip Bone Implant" Journal of Engineering & Applied Sciences - UET Peshawar, Vol. 37 No. 2-2018**(HEC recognized X Category)**
10. Noor Rehman, Rafiullah Khan, Saeed Badshah "Effect of X-Rays and Gamma radiations on the Bone Mechanical Properties: Literature Review" Cell and Tissue Banking, Vol.19, Issue 4 2018.**(Impact Factor 1.527)**
11. Muhammad Imran, Rafiullah Khan, Saeed Badshah "Vibration Analysis of Cracked Composite Laminated Plate and Beam Structures" Romanian Journal of Acoustics and Vibration Vol 15 No 1.**(ISI Indexed)**
12. S. Mehmood, N.A. Anjum, W. Anwar, R.A. Rahman, K. Javed and S. Badshah "A Review of the Effect of Electric Discharge Machining on the Surface Integrity of Metallic Parts" The Nucleus 55, No. 1 (2018).**(HEC recognized Y Category)**
13. Shahwaz Hassan, M. Masood Tahir, Saeed Badshah, Ayyaz Hussain, Nazeer Ahmad Anjum, "Classification of rigid rotor faults using time domain features extracted from multiple vibration sensors" Technical Journal Vol. 23 2018.**(HEC recognized Y Category)**
14. Muhammad Imran, Rafiullah Khan, Saeed Badshah "A review on the effect of delamination on the performance of composite plate" Pakistan Journal of Scientific and Industrial Research Series A: Physical Sciences 61(3):173-182**(HEC recognized X Category)**
15. Muhammad Imran, Rafiullah Khan, Saeed Badshah "Vibration Analysis of Cracked Composite Laminated Plate" Pakistan Journal of Scientific and Industrial Research Series A: Physical Sciences 61(2):84-90**(HEC recognized X Category)**
16. Zeeshan Nazar, Zahid Asghar, Fahad Ali, Abdul Basit, Tayyab Subhani, Saeed Badshah, Rafi Uddin, Muhammad Adnan Latif, "Effect of Distribution of B4C on the Mechanical Behaviour of Al-6061/B4C Composite Sheet" Powder Metallurgy, Vol. 61, No. 4-2018.**(Impact Factor 0.893)**
17. Mujahid Badshah, Saeed Badshah, Kushsairy Kadir "Fluid Structure Interaction Modelling of Tidal Turbine Performance andStructural Loads in a Velocity Shear Environment" Energies, Vol. No- 11(7), 2018.**(Impact Factor 2.676)**
18. Muhammad Atif, Waqas Asghar, Muhammad Nadeem, Waqas Khalid, Zulqurnain Ali, Saeed Badshah "Synthesis and investigation of structural, magnetic and dielectric properties of zinc substituted cobalt ferrites" Journal of Physics and Chemistry of Solids, Vol. 123, No. 12-2018.**(Impact Factor 2.207)**
19. Nausheen Ameer, Ghulam Mustafa, Imran Khan, Muhammad Zahid, MaimoonaYasinzai, Surraya Shahab, Nazia Asghar, Ikram Ullah, Afaq Ahmad, Iqbal Munir, Hamayoon Khan, Saeed Badshah,

- Imran Shahid, Muhammad Nauman Ahmad, Afia Zia, Shakil Ahmad² “Chemical sensors: Promising tools for the online monitoring of fluorides” Fluoride 51(3)252–266 July-September 2018.**(Impact Factor 1.43)**
20. Muhammad Amjad, Saeed Badshah, Muhammad Adil Khattak, Rafi Ullah Khan, Muhammad Mujahid, “Characterization of Nickel Free Titanium Alloy Ti-27Nb for Biomedical Applications” Journal of Engineering & Applied Sciences - UET Peshawar, Vol. 36 No. 2-2017.**(HEC recognized X Category)**
 21. Mujahid Badshah, Saeed Badshah, Muhammad Altaf, Sakhi Jan, Muhammad Amjad “Research Progress in Tidal Energy Technology- A Review” Technical Journal, Vol. 22, No. 4, 2017.**(HEC recognized Y Category)**
 22. K. Akhtar, M. Abuzar Khan, N. Ahmad, N Khan, F. Shah, J. Ahmad, W. Khalil, S. Badshah “Comparison of Damaged and Undamaged Mechanical Structure using free vibration Analysis” JPICChE, Vol 46, No 1 2018.**(HEC recognized X Category, ISI Indexed)**
 23. Mujahid Badshah, Saeed Badshah, Sakhi Jan “Hydrodynamic Design of Tidal Current Turbine and the Effect of Solidity on Performance” Journal of Engineering & Applied Sciences - UET Peshawar, Vol. 36 No. 2-2017.**(HEC recognized X Category)**
 24. Muhammad Masood Tahir, Saeed Badshah, Ayyaz Hussain, Muhammad Adil Khattak “Extracting Accurate Time Domain Features from Vibration Signals for Reliable Classification of Bearing Faults” International Journal of Advanced and Applied Sciences, Vol. No. 5, No. 1, 2018.**(ISI Indexed)**
 25. Habib uallah, Muhammad Amjad, Sakhi Jan, Saeed Badshah, Mujahid Badshah, Nazeer Ahmad Anjum “Characterization of Tidal Current Turbine Dynamics Using Fluid Structure Interaction (FSI)” Technical Journal, Vol. 22, No. 3, 2017.**(HEC recognized Y Category)**
 26. Rafiullah Khan, Sakhi Jan Khalil, Muhammad Amjad, Saeed Badshah, Sajjad Ahmad “Crack closure and fibre bridging contribution in the stress-ratio effect on delamination growth under fatigue” Journal of Engineering & Applied Sciences - UET Peshawar, Vol. 36 No. 1-2017.**(HEC recognized X Category)**
 27. Syed Mushtaq Ahmed Shah, M. A. Khattak, Muhammad Asad, Javed Iqbal, Saeed Badshah, M. S. Khan “Numerical Modeling Of Phase Transformation During Grinding Process” JurnalTeknologi, Vol. No. 79:5 May 2017.**(ISI Indexed)**
 28. M. Hussain, R. U. Khan, S. Badshah, Z. Abbas, M. Ijaz, S. Khan “Investigation of Static and Fatigue Behavior of Honeycomb Sandwich Structures Under Bending Load” Technical Journal, University of Engineering and Technology (UET) Taxila, Pakistan. Vol. 22 No. 1-2017.**(HEC recognized Y Category)**
 29. Muhammad Adil Khattak, Siti Fawziah Mohamed Noor, Norhayati Ahmed, Anique Mukhtar, Suhail Kazi, Muhammad Salman Khan, Saeed Badshah, Rafiullah Khan, “Application of Sayong Ball Clay Membrane Filtration for Ni (II) Removal from Industrial Wastewater” Journal of Taibah University for Science (JTUSCI) Volume 11, Issue 6, 2017**(ISI Indexed)**
 30. M. Masood Tahir, Abdul Qayyum Khan, Naeem Iqbal, Ayaz Hussain and Saeed Badshah, “Enhancing Fault Classification Accuracy of Ball Bearing Using Central Tendency based Time Domain Features” IEEE Access, Volume 5.**(Impact Factor 3.557)**
 31. Muhammad Masood Tahir, Ayyaz Hussain, Saeed Badshah, Qaisar Javaid “Rule-based Identification of Bearing Faults using Central Tendency of Time Domain Features” Journal of Engineering & Applied Sciences - UET Peshawar, Vol. No. 35, 2016**(HEC recognized X Category)**
 32. M.A.Khattak, Anique Mukhtar, M. W. Anjum, S. Kamran Afaq, Muhammad Abdul Ahad, Mahmood Khan, S.Kazi, Saeed Badshah, Rafiullah Khan, “Performance Evaluation of Four-Stroke SI (Spark Ignition) Engine using Ethanol-Gasoline blend E50 at Variable Load and Compression Ratio” JurnalTeknologi, Vol. No. 79:1 , 2017**(ISI Indexed)**
 33. M. A. Khattak, Shahid Zaman, M. N.Tamin, Saeed Badshah, Syed Mushtaq, A. A. Borhana “Effect of welding phenomenon on the microstructure and mechanical properties of ferritic stainless steel - A review” Journal of Advanced Research in Materials Science, Volume 32, Issue 1 (2017) 13-31
 34. M.A.Khattak, A.Mukhtar , Imran.S.S.Ghumman, Saeed Badshah, Rafiullah Khan, S.Kazi “Degradation assessment of nuclear power plant extraction steam piping after long term service” JurnalTeknologi, Vol. No. 78:9 September 2016.**(ISI Indexed)**

35. S.F. Mohd Noor, N. Ahmad, M. A. Khattak, A. Mukhtar, S. Badshah and R. U. Khan "Removal of Heavy Metal from Wastewater: A Review of current Treatment Processes" Journal of Advanced Review on Scientific Research, Vol. 20, No.1. Pages 1-13, 2016.
36. Rafiullah Khan, Rene Alderliesten, Saeed Badshah, Muhammad Adil Khattak, Muhammad Salman Khan, RinzeBenedictus"Experimental Investigation of TheMicroscopic Damage Development at Mode I Fatigue Delamination Tips InCarbon/Epoxy Laminates" JurnalTeknologiVol 78:11November 2016.(ISI Indexed)
37. H. M. Ismaeel, M. A. Khattak, M. N. Tamin, M. S. Khan, N. Iqbal, S. Kazi, S. Badshah, and R. U. Khan, "Energy Absorption Ability of Thin-Walled Square Hollow Section of Low Carbon Sheet Metals under Quasi-Static Axial Compression" Journal of Advanced Research in Applied Mechanics, Volume 18, Issue 1, 2016.
38. Zahid Asghar, Gulzar Hussain zahid, Ejaz Ahmad, Rafi ud-Din, Muhammad Noaman ul Haq, Tayyab Subhani, Zahid Hussain, Saeed Badshah "Effect of particle morphology and coating thickness on fluorescent behavior of Ce doped yttrium aluminum garnet phosphor screens" Journal of Materials Science: Materials in Electronics, Volume 26.(Impact Factor 2.324)
39. M.I. Kassana, K.M. Cheema, S. Badshah "Fuel Enhancement of Waste Heat Recovery Power Plant in Cement Industry" Journal of Basic Sciences and Applied Research, Volume 5, Issue. 5, 5/2015.
40. Mutahir Ahmed, Saeed Badshah, Rafi Ullah Khan, Muhammad sajjad, Sakhi Jan "Design and simulation of flow through subsonic axial compressor" International Journal of Engineering and Technology, Volume 7, Issue2, 5/2015.
41. Sakhi Jan, Rafiullah khan, Sajjad Ahmad, Muhammad Amjad, Saeed Badshah, "Experimental Analysis of Crack Effect on Stresses in Pipes" Scholars Journal of Engineering and Technology (SJET), Volume 3, Issue 1, Jan. 2015
42. Z. Asghar, G. H. Zahid, Rafi ud Din. Ahmad, M. Mehmood, S. Badshah "Effect of degassing parameters on the sinterability of Al/B4C powder mixture" Powder Metallurgy, Volume 58, Issue 1, 3/2015.(Impact Factor 0.893)
43. Rafiullah. Khan, Rene Alderliesten, Saeed Badshah, Rinze Benedictus "Effect of stress ratio or mean stress on fatigue delamination growth in composites: Critical review" Composite Structures,Volume 124, June 2015.(Impact Factor 4.101)
44. Sajjad Ahmad,Sakhi Jan,Rafiullah Khan,Muhammad Amjad, Saeed Badshah "Effect of Velocity and Temperature Ratios on the Film Cooling of Turbine Blades" International Journal for Research and Development in Technology, Volume 3, Issue 1, 01/ 2015.
45. Sakhi Jan, Rafi Ullah khan, Sajjad Ahmad, Muhammad Amjad, Saeed Badshah, Mutahir Ahmad "Flexural Strength of Honey Comb Sandwich Structures", Int. Journal of Applied Sciences and Engineering Research, Vol. 4, Issue No. 1, 1/ 2015.
46. Rafiullah Khan, Sakhi Jan, Sajjad Ahmad, Muhammad Amjad, Saeed Badshah, Mutahir Ahmad, "Fractographical Investigation of the Delamination under Fatigue Using Laser Confocal Electron Microscope" International Journal of Scientific Engineering and Technology, Volume No.4 Issue No.2, 2/2015.
47. Khurshid Ahmad, Saeed Badshah, Amer Farhan Rafique "A Simulated Case Study of Office Building in Pakistan to Improve the Energy Efficiency" International Journal of Engineering and Advanced Technology, Volume-4, Issue-2, 12/ 2014.
48. Mutahir Ahmed, Rafi Ullah Khan, Saeed Badshah, Sakhi Jan "Finite Element Investigation of Geometry Effect on Pressure Vessel Under Combined Structural and Thermal Load" International Journal of Engineering and Advanced Technology, Volume-4, Issue-2, 12/ 2014.
49. Noor Rahman, Saeed Badshah, AbdurRafai, Mujahid Badshah "Literature Review of Ocean Current Turbine" International Journal of Scientific & Engineering Research, Volume 5, Issue 11, 11/2014
50. S. Badshah,R. Khan, Z. Asghar, J. Wassermann "Effect of local mass distribution on modal behavior of Aluminum foam" International Journal of Scientific & Engineering Research, Volume 5, Issue 10, 10/2014
51. Muhammad Abubakar, Saeed Badshah, Talal Ahmad, Noor Rahman "Modelling and Analysis of a very Low Head Kaplan Turbine Runner Blades for Rural Area of Punjab" International Journal of Scientific & Engineering Research, Volume 5, Issue 7, 7/2014.

52. Muhammad Adil Khan and Saeed Badshah, "Design and Analysis of Cross Flow Turbine for Micro Hydro Power Application using Sewerage Water" Research Journal of Applied Sciences, Engineering and Technology, Volume 8, issue 7, 7/2014
53. Sajjad Ahmad, Saeed Badshah and Ghulam Yasin Chohan, "Modelling and simulation of natural ventilation of building using solar chimney" World Applied Sciences Journal, Volume 32, Issue 5, 5/2014.
54. Khurshid Ahmad, Amer Farhan Rafique, Saeed Badshah, "Energy Efficient Residential Buildings in Pakistan" Energy & Environment, Volume 25, Issue 5, 5/2014. **(Impact Factor 0.568)**
55. K.M. Cheema, S. Badshah, "Cement Industry, alternate fuel and environmental benefits", International Journal of Engineering Research and Technology, Volume 2, Issue 10, Oct 2013 (ISSN:2278-0181).
56. Javed Iqbal, Tariq Jan, M. Shafiq, Aqsa Arshad, Naeem Ahmad, Saeed Badshah, Ronghai Yu, "Synthesis as well as Raman and optical properties of Cu-doped ZnO nanorods prepared at low temperature", Ceramics International, Volume 40, Issue 1, Part B, January 2014, Pages 2091–2095. **(Impact Factor 3.057)**
57. S. Badshah, "Experimental Modal Analysis of Aluminum Sandwich Structure, International Journal of Scientific & Engineering Research, Volume 4, Issue 2, Feb 2013 (ISSN 2229-5518).
58. S. Badshah, "Comparison of dynamic characteristics of damped structures, International Journal of Advancements in Research & Technology, Volume 2, Issue 4, April-2013 (ISSN 2278-7763).
59. M.A. Khan, S. Badshah, I.U. Haq, F. Hussain, "Measures for reducing transmission and distribution losses of Pakistan" International Journal of Scientific and Engineering Research (IJSER) Volume 4, Issue 4, April 2013 (ISSN 2229-5518)
60. M. Kashif, S. Badshah, I.U. Haq, "Design of Maximum Power Point Tracking for PV Panels" International Journal of Scientific and Engineering Research (IJSER) Volume 4, Issue 5, May 2013 (ISSN 2229-5518)
61. S. Badshah, "Mixed Numerical-experimental Identification Based on Modal Testing" International Journal of Engineering and Advanced Technology, Volume-2, Issue-4, 4/2013
62. S. Badshah, "On Modal Testing and Analysis of Aluminum Foam: Experimental Setup and Approach" International Journal of Emerging Technology and Advanced Engineering, Volume 3, Issue 4, 4/2013.
63. K.Ahmad, S. Badshah, A. F. Rafique, M.A. Khan, Windows optimization for office buildings in Islamabad Pakistan, International Journal of Scientific and Engineering Research (IJSER) Volume 4, Issue 4, April 2013 (ISSN 2229-5518)
64. K.Ahmad, A. F. Rafique, S. Badshah, M.Imran "Effect of Windows area reduction and Glazing type on energy consumption of Residential Buildings in Islamabad" International Journal of Scientific and Engineering Research (IJSER) Volume 3, Issue 12, December 2012 (ISSN 2229-5518).
65. R. Khan, M. Villa, T. Stummer, H. Böck, S. Badshah "Perturbation Analysis of the TRIGA Mark II reactor" atw- International journal for nuclear power Volume 59, Issue 4 (ISSN 1431-5254) **(Impact Factor 0.084)**
66. M. Imran, S. Badshah, Vibration Analysis of an ocean current turbine blade, International Journal of Scientific and Engineering Research (IJSER) Volume 3, Issue 10, October 2012 (ISSN 2229-5518).

Conference Publications

1. S. Badshah, M. Badshah "Performance prediction of tidal current turbine using coupled Fluid Structure Interaction modelling" Sixth European Conference on Renewable Energy Systems (ECRES2018), Istanbul, Turkey 25-27 June 2017.
2. S. Ahmad, S. Badshah, M. F. Abdulhamid, H. S. Kang, A. S. Kader, M. N. Tamin "Incremental fatigue damage simulation for reliability assessment of steel wire ropes under fretting fatigue conditions" European Safety and Reliability Conference (ESREL), NTNU, Trondheim Norway 17-21 June 2018.
3. Anis Ur Rehman, Syed Mushtaq A. Shah, Syed Ali Raza Shah, Saeed Badshah, M.A.Khattak "Prospects of Rural Electrification of Balochistan Province with Renewable Energy Sources" 3rd International Conference on Power Generation Systems and Renewable Energy Technologies (PGSRET2017), UTM, Johor Bahru Malaysia, 4-6 April 2017.

4. Suheel Abdullah Malik, Ijaz Mansoor Qureshi, Saeed Badshah “Numerical Investigation of Nonlinear Power-law Fin Type Problem Using Hybrid Heuristic Computation” 3rd International Conference on Power Generation Systems and Renewable Energy Technologies (PGSRET2017), UTM, Johor Bahru Malaysia, 4-6 April 2017.
5. M.Masood Tahir, Ayyaz Hussain, Saeed Badshah, Abdul Qayyum, Naeem Iqbal “ Classification of Unbalance and misalignment faults in rotor using Multi-Axis time domain feature” 2016 International Conference on emerging technologies, October 18-19, 2016, Islamabad.
6. M. Masood Tahir, Ayyaz Hussain , Saeed Badshah, “Enhancing classification accuracy of ball bearing faults using statistically processed features”, International Conference on Intelligent Systems Engineering Islamabad 2016, Pages 197 – 201.
7. M. A. Khattak, M. N. Tamin, S. Badshah, Rafiullah Khan, S. Kazi “Static Fracture Mechanisms of SS316 Austenitic Stainless Steel Strip Liners in Reactor Pressure Vessel (RPV)” Proceedings of the 11th International Conference on Applied and Theoretical Mechanics (MECHANICS '15) Kuala Lumpur, Malaysia April 23-25, 2015. (Published by WSEAS Press)
8. Saeed Badshah, Johann Wassermann “Mixed numerical experimental identification technique for closed cell aluminum foam based on modal analysis” IBCAST, 10-13 Jan 2011, Islamabad, Pakistan. Pages 252-258
9. Saeed Badshah, Johann Wassermann “Modal analysis of aluminum structure filled with aluminum foam using scanning laser vibrometer” PIP International conference, 23-26 Feb 2009, Lahore, Pakistan.
10. A. Schirrer, M. Kozek, A. Plank, M. Neumann, S. Badshah, J. Wassermann “Vibration analysis of an actively controlled flexible structure using laser speckle interferometry” ICSV15, 6-10 July 2008, Daejeon, Korea. Pages 1412-1419.
11. Saeed Badshah, M. Neumann, Johann Wassermann, “Modal analysis of a damped aluminum structure” ICSV15, 6-10 July 2008, Daejeon, Korea. Pages 1375-1381

Personal traits

- Analytical thinking ability, Good communication skills, Dedication and motivation for work, Friendly, cooperative and multi-tasking, In my spare time I enjoy swimming, playing football, cricket and gymnastic. In addition, I love nature in general and like trekking and hiking.