



BUITEMS

Quality & Excellence in Education

ISO 9001-2008 certified

www.buitms.edu.pk

UAN: 081- 111-717-111



Name	Engr. Dr. Asad Naeem			
Designation	Assistant Professor			
Department	Department of Civil Engineering			
Faculty	Faculty of Engineering and Architecture (FOE & A)			
E-mail address	Official	asad.naeem@buitms.edu.pk		
	Personal	asadnaeem101@gmail.com , asadnaeem101@yahoo.com		
Telephone Number	Office Extension	081-111-717-111 (480), +92(0)812821388		
	Mobile	+92 345 429-6656, +92 317 846-3175		
Qualification				
Year	Degree/Certificate	Name of the Institute/ University	Field of study	
2019	Ph.D.	Sungkyunkwan University, South Korea	Structural Engineering and Earthquake Engineering	
2016	M. Sc.	Sungkyunkwan University, South Korea	Structural Engineering	
2012	Graduation	University of Engineering and Technology, UET, Lahore	B.Sc. Civil Engineering	
2007	Intermediate	Government College University, GCU, Lahore	F.Sc. Pre-Engineering	
2005	Cambridge GCE O' Level	The City School, Quetta	Science and Mathematics	
Publications in HEC Recognized journals				
S. No	Title of Journal Publication	Name of Journal	National/ International	Publication date
1	Development and experimental verification of self-centering disc slit damper for building	<i>Journal of Constructional Steel Research</i>	International	February - 2023
2	Study on concrete mix with partial and full replacement of coarse aggregates with date seeds	<i>Journal of Applied and Emerging Sciences</i>	National	December- 2022
3	Mechanical performance of sustainable concrete incorporating composite waste materials	<i>Journal of Applied and Emerging Sciences</i>	National	December- 2022
4	Seismic retrofit of 3000 kVA power transformer using friction dampers and prestressed tendons	<i>Structures</i>	International	August- 2021

5	Seismic retrofit of structures using rotational friction dampers with restoring force	<i>Advances in Structural Engineering</i>	International	July- 2020
6	Seismic retrofit of a structure using self-centering precast concrete frames with enlarged beam ends	<i>Magazine of Concrete Research</i>	International	November- 2022
7	Seismic performance evaluation of a multi-slit damper	<i>Engineering Structures</i>	International	June- 2019
8	Seismic performance evaluation of a spring viscous damper cable system	<i>Engineering Structures</i>	International	December- 2018
9	Seismic retrofit of a framed structure using damped cable system	<i>Steel and Composite Structures</i>	International	September-2018
10	Life-cycle cost evaluation of steel structures retrofitted with steel slit damper and shape memory alloy-based hybrid damper	<i>Advances in Structural Engineering</i>	International	May- 2018
11	Seismic performance evaluation of a structure retrofitted using steel slit dampers with shape memory alloy bars	<i>International Journal of Steel Structures</i>	International	December- 2017
Publications Under Review/Preparation				
12	Seismic Retrofit Design of Structures Using Friction Column Dampers	<i>Building Engineering</i>	International	Submitted 2023
13	Seismic Performance Evaluation of Building Structure Retrofitted with Self-centering Disc-Slit Damper and Conventional Steel Slit Damper	<i>Engineering Structures</i>	International	Submitted 2023
Scientific Patents				
S. No	Title	Patent Number	Related Publication	Awarding date
1	Steel Multi-slit Damper with Improved Seismic and Vibration damping Performance	1019683030000	https://doi.org/10.1016/j.engstruct.2019.03.107	April-04-2019
2	Fluid Viscous Damper for Earthquake Resistant Structures	1020190081234	https://doi.org/10.1016/j.engstruct.2018.09.055	September-17-2019
3	Self-centering Rotational Friction Seismic Damper for Large Power Transformers	1019376120000	https://doi.org/10.1016/j.istruc.2021.03.029	January-04-2019
4	Seismic retrofitting system with re-centering damper and prestressed cables	1018688770000	https://doi.org/10.12989/scs.2018.29.3.287	June-12-2018
Paper Presented and Published in Conference Proceedings				
S. No	Title of Paper	Name of Conference	National/ International	Date
1	Experimental Verification of newly Developed Precast Polycarbonate Buckling Restrained Brace.	Computational Methods in Structural Dynamics and	International / Greece	June 2023

		Earthquake Engineering		
2	Application of Self-Centering Hysteretic Device for Seismic Protection of Structure	<i>Architectural institute of Japan Annual Meeting</i>	Japan/ International	September 2022
3	Life-Cycle Cost Evaluation of the Reinforced Concrete Structure Retrofitted with Damped Cable System	<i>20th International Conference on Structural Engineering</i>	Singapore/ International	March 2018
4	Seismic Retrofit of a Structure Using a Viscous Damper-Cable System	<i>3rd Asia-Pacific World Congress on Engineering 2017(APWCE 2017)</i>	Fiji/ International	December 2017
5	Seismic Retrofit of Framed Structure Using Damped Cable System' International	<i>Conference of Earthquake Engineering</i>	Korea/ International	September 2017
6	Life-Cycle Cost Evaluation of a Structure with Hybrid Slit Damper	<i>International Conference on Engineering and Natural Sciences</i>	Pakistan/ International	January 2017
7	Optimum Design of Structures Subjected to Sudden Column Loss	<i>International Conference on Mechanical Civil and Material Engineering</i>	Indonesia/ International	May 2015
8	Steel Honeycomb Dampers for Seismic Retrofit of Structures	<i>International Conference on Environment and Civil Engineering</i>	Thailand/ International	April 2015
9	Precedent and Post Emergency Management and Planning of Kashmir Earthquake 2005 in Pakistan	International Conference of Impact and Aftermath of the Catastrophic	Korea/ International	April 2014

Thesis and Dissertations and Scientific Reports

S. No	Title of thesis	Publisher	URL
1	Experimental and Analytical Seismic Performance Evaluation of Structures Retrofitted with Self-Centering Energy Dissipation Systems	Sungkyunkwan University, South Korea	https://lib.skku.edu/en
2	Raising Awareness: Effective Strategies for Mitigating Earthquake Disasters in Developing Countries	Islamic Relief Pakistan	Hardcopies available in their office

Work Experience

S. No	From (year)	To (year)	Name of the Institution/ Organization	Position held
-------	-------------	-----------	---------------------------------------	---------------

1	2019	Present	Balochistan University of Information Technology, Engineering and Management Sciences (BUIITEMS), Pakistan	Assistant Professor- Fill time
2	2021	2022	The University of Tokyo, Japan	Visiting Research Professor Fellowship (Post-Doctoral)-Full time
3	2019	Present	Interform Design Group	Senior Structural Engineer – Part time
4	2020	2021	Islamic Relief Organization	Seismic Retrofitting Engineer -Part time
5	2016	2019	Research Assistant	Lab In charge and research and teaching assistant
6	2012	2014	Balochistan University of Information Technology, Engineering and Management Sciences (BUIITEMS), Pakistan	Lecturer-Full time
7	2012	2014	Interform Design Group	Civil Engineer-Part time
Area of specialization			Structural Engineering and Earthquake Engineering	
Research Interest			Seismic retrofitting of building structures, Earthquake design of buildings, Architectural engineering, Structural analysis and dynamics, Non-Destructive Test NDT of buildings, Displacement based design, Low damaged seismic design, Life cycle cost analysis, Structural health monitoring, Finite element modelling and simulations, Structural inspection and investigation. Rehabilitation of existing and heritage buildings, Development of building code, green building infrastructure and Concrete technology.	
Future Research Plans			Dr. Asad, an assistant professor in the fields of structural engineering, architectural engineering, and earthquake engineering, has ambitious plans. He aims to continue his research in these fields and to publish his findings in top-tier journals, with the goal of advancing the understanding of how structures can be designed to withstand earthquakes and other natural disasters. Additionally, he plans to collaborate with other experts in the field to develop new approaches to structural engineering and to help design more resilient buildings and infrastructure. Furthermore, he intends to use his expertise to educate the next generation of engineers and to train them to think critically and creatively about the challenges facing the built environment. Ultimately, Dr. Asad's vision is to contribute to a safer and more sustainable world through his research, teaching, and collaboration with others in his field. As an enthusiastic faculty member, he strives to communicate my passion for teaching and research in a manner that inspires and motivates my students and colleagues.	
HEC Approved supervisor			Approved MS and Ph.D HEC Supervisor since 2019	
If Yes, provide HEC URL			https://www.hec.gov.pk/english/scholarshipsgrants/ASA/Pages/APS-EPORTAL.aspx	
Research grants/ Projects/ Awards			<ul style="list-style-type: none"> Earthquake Research Institute, the University of Tokyo research funds for long term researcher (2021-2022) 	

- Office of Research, Innovation and Commercialization (ORIC) BUIITEMS research fund (2019-2020)
- Best presentation in International Conference on Structural Engineering (2018)
- Brain Korea-21 Research Program (2017 ~ 2018)
- Research Grant LINC (Leaders in Industry-University Cooperation) program of Sungkyunkwan University, South Korea (2016 ~ 2017)
- Higher Education Commission (HEC), Pakistan, Fully Funded Scholarship Grant for MS Leading to Ph.D. Program (2014 ~ 2018)
- Balochistan Government Grant for Undergraduate Students, University of Engineering and Technology, Lahore, Pakistan (2008 ~ 2012)

Additional Information

Professional Affiliations and Awards

- Pakistan Engineering Council (PEC) – Licensed **Professional Engineer**: STRUCTURE-CIVIL-33120
- American Society of Civil Engineering (ASCE) – **Associate Member**: ID 994800
- American Concrete Institute (ACI) – **Associate Member**: ID 001711798
- Institute of Civil Engineers (ICE) UK – **Member**: ID 93529169
- Architectural Institute of Japan (AIJ) – **Member**: 2246220
- Institute of Structural Engineers (IStruct) UK -**Member**
- Seismic performance of non-structural elements (SPONSE)-**Member**
- Active Journal Paper **Reviewer** – International Journal of Steel Structures, Journal of Advances in Structural Engineering, International Journal of Tall Buildings, Engineering Structure

Specialization Skills and Certifications

Simulator & Software

- **Finite Element (F.E) Modules**
Ansys APDL and Work Bench
- **Structural Analysis Software**
Perform 3-d, SAP-2000, ETAB, Staad Pro Foundation
- **CAD and BIM Programs**
- AutoCAD 2020, Sketchup, Fusion 360, Revit (BIM)

Learning Courses and Certifications

- **LinkedIn Learning**
BIM Foundations
BIM 360 Design
On the Job Site : Construction
Construction Management: Concrete Construction
AutoCAD Tips and Tricks
Sketchup for Architecture
- **Webinars**
CSI Etab and SAP2000 Seminar
Seismic Design of Building Structure and Bridges

Professional Testing and Equipment

- 3-Dimensional and Uni-axial Shaking table
- Cyclic and Dynamic UTM
- Bending, Tension and Compression UTM
- Hardness Testing Machine
- Nondestructive testing
- Destructive testing
- **Coursera**
Future Faculty Development Program (UTokyo)
BIM Fundamentals for Engineers
BIM Applications for Engineers
3D Models for Virtual Reality
- **Autodesk**
Autodesk Certified Professional: Revit for Structural Design
- **Field Ready Academy**
Analysis and Design ETAB course
Revit Course for Civil Engineers

Professional Handles

LinkedIn: www.linkedin.com/in/asadnaeem-structuralengineer

ResearchGate: <https://www.researchgate.net/profile/Asad-Naeem-5>

Google Scholar: <https://scholar.google.com/citations?user=oDbBY-wAAAAJ&hl=en>

Web of Science: <https://www.webofscience.com/wos/author/record/HZK-1612-2023>

ORCID: [0000000166760940](https://orcid.org/0000000166760940)