

Name : **Dr. SYED MUSHTAQ AHMED SHAH**

Address : *C-19 Officers Colony Balochistan University of Engineering and Technology Khuzdar Balochistan*

Email : mushtaashah1@gmail.com

Phone : 0848-521000 03327862689



Personal Details

Place / Date of Birth:
Marital Status:
CNIC No.:

Mastung Balochistan / June 5th 1972
Married
51602-8757772-9

Education/Qualification

PhD

(June 20, 2011) (**Specialty: Mechanical Engineering**)

Institut National des Sciences Appliquées de Lyon (INSA Lyon), France (**Ecole Doctoral : MEGA, Lab: LaMCoS**)

Thesis:

Prediction of residual stresses due to grinding with phase transformation

(Sept. -2007)

Industrial Engineering

Management Stratégique et Génie des Organisations (Speciality « Génie Industriel » Industrial Engineering) Ecole Doctorale : Organisation Industrielle Systèmes de Production Lab. : CRISTO-UPMF , G-SCOP Institut Polytechnique de Grenoble Université Pierre Mendès France

Research topic:

“3D CAD model: Commanding Attention and Persuading Action”

(99-2001)

Mechanical Engineering

National University of Sciences and Technology (NUST) Islamabad Pakistan

Research topic:

Contact Analysis of Spur Gears

MASTER

Of Engineering

MASTER

Of Engineering

BACHELOR

Engineering

1992-1997

Mechanical Engineering

Baluchistan University of Engineering and Technology Khuzdar

HSSC

AWARDS

And Distinctions

Experience

Teaching

DEAN

Professor

Head of Dept

Head of Dept

Director

Associate Prof

Assistant Prof

PhD Student

1989-1991 Pre- Engineering

Army Burn Hall College Abbottabad

- ✓ **2nd Position holder** in BE Mechanical Final Year Examination
- ✓ HEC University **Best Teacher award** of the year 2011-2012
- ✓ Got **Merit Scholarship** in GRE examination for Master/Doctoral studies in France held by HEC Islamabad
- ✓ Selected for **SICON Marie Curie (SCF/LCF) Scholarship ROME ITALY**(June 2008)

July 1997-till date

Teaching experience at different positions in BUETK

April 2013- till Date:

working as Dean Faculty of Engineering at Balochistan University of Engineering & Technology Khuzdar, Pakistan

December 2012 till date:

working as Professor (NPS-21) in Mechanical Engineering Department Balochistan University of engineering & Technology Khuzdar.

Oct. 2011-April 2013

Worked as **Head of** Mechanical Engineering Department Balochistan University of engineering & Technology Khuzdar

April 2013 –Sep 2013:

Chairman Basic Sciences Department Balochistan University of engineering & Technology Khuzdar

March 2013-March 2015:

worked as Director Research Balochistan University of engineering & Technology Khuzdar

March 2012 - Dec. 2012:

worked as **Associate Professor (NPS-20)** in Mechanical Engineering Department Balochistan University of engineering & Technology Khuzdar.

Dec 2006-March 2012:

worked as **Assistant Professor (NPS-19)** in Mechanical Engineering Department at Balochistan University of engineering & Technology Khuzdar

Sep. 2007- June 2011:

Doctoral studies at LaMCoS INSA Lyon, France.

Lecturer

Warden

PUBLICATIONS

- Sep. 2006-June 2007:** M2R Research project at Lab.: CRISTO-UPM G-SCOP **Grenoble France**
- July 1997-Dec. 2006:** worked as Lecturer in Mechanical Engineering Department Balochistan University of engineering & Technology Khuzdar
- August 1997-July 1999:** worked as Hostel warden at Balochistan University of Engineering & Technology Khuzdar, Pakistan

1. **S.M. A. Shah**, D. Nelais, M. Zain, M. Coret Numerical simulation of grinding induced phase transformation and residual stresses in AISI-52100 steel. Intl. Jnl. of Finite Elements in analysis and design 61 (2012) 1-11
2. **S. M. A. Shah**, D. Nelais, M. Coret, Prediction of residual stresses due to grinding with phase transformation phenomenon: 36th International Leeds-Lyon Conference on tribology INSA Lyon France September 2009
3. Muhammad Aurengzeb Khan, Hassan Ijaz, **Syed Mushtaq Shah**, Waqas Saleem, Sajid Raza Ch., Draping Simulations of Textile Composite Prepregs based on a Hypoelastic Behaviour; Proceedings of International Bhurban Conference on Applied Sciences & Technology Islamabad, Pakistan, January, 2011
4. M. Asad, Tareq Mubrouki, A.A. Memon, **Syed Mushtaq Shah**, M.A. Khan, Three dimensional finite element modelling of rough to finish down cut milling of an aluminium alloy, Proc IMechE Part-B J Engg. Mfg 0(0)-9
5. M. Zain, S. Azeem, **S. M. A. Shah**, Computational Investigation of Factors Affecting Thermal Conductivity in a Particulate Filled Composite using Finite Element Method, International journal of Engineering science 56(2012)86-98
6. Muhammad Mushtaque, **Syed Mushtaq Ahmed Shah**, Numerical Prediction and Comparison of Finite element and Finite difference methods of Flood Routing, IOSR Journal of Mechanical and Civil Engineering (IOSR JMCE) ISSN: 2278-1684, Vol. 4 Issue 5 (Nov. – Dec. 2012) PP 06-10
7. Liaquat Ali Lehri, **S.M.A.Shah**, B.A. Leghari, M. I. Tareen, Wind Potential Assessment and Optimization of Wind Turbine blade for coastal area of Jiwani Baluchistan Pakistan, International Journal of Materials, Mechanics, and Manufacturing; Vol. 1, No.2 April 2013 (177-180)
8. **S. M. A. Shah**, Asif Ali Memon, Muhammad Aurengzeb, Muhammad Asad; Thermal Modelling of Grinding Process Using Elliptical Moving Heat Source Proceedings; Surface and Contact, 5-7 June 2013 Siena Italy.

PUBLICATIONS

Continued

9. Javaid Iqbal, Liaquat Ali Lehri., **Mushtaq Shah.**," Computational Analysis of gas phase mixing in a co fired burner using different geometries", International Journal of Mechanical and Production engineering research and development, volume5, ISSN 2249-6890, Jan-Feb 2015
10. Faizullah Mahar, **Syed Mushtaq Ahmed Shah** and Sohrab Khan, PSO and GA Based Fixed Order Robust Controller Design: Comparison and Performance Analysis, Proceedings of International Conference on Innovations in Engineering and Technology (ICIET'2013) Dec. 25-26, 2013, pp.16-21 Bangkok (Thailand).
11. Javaid Iqbal, Liaquat Ali Lehri., **Mushtaq Shah.**, "Computational analysis of gas phase mixing in a coal fired burner", International Energy conference QUEST, Nawab Shah, Pakistan, March 12-15, 2015.
12. **Syed Mushtaq Ahmed Shah**^a, Muhammad Asad^b, Javed Iqbal,^c Saeed Badshah^d, *M. A. Khattak^e and M.S.Khan A Simplified Method to Model Phase Transformation during Grinding Process Submitted in Journal of Technology University of Technology Malaysia **72:1 (2015) 1-7 eISSN 2180-3722** ,
13. Javaid Iqbal^a, Liaquat Ali Lehri^a, **S Mushtaq Shah**^a, Mohammed Naeem^a Combustion Analysis Of Coal Using Coal Water Slurry Technique 2nd National Conference on Intelligent Manufacturing & Sustainable Energy Systems (IMSES 2016) MUET Khairpur Campus
14. Abdullah Mengal, Khanji Harijan, Mohammad A. Uqaili, Nayyar Hussain Mirjat, **Syed Mushtaq Ahmed Shah**; Cost Estimation And Comparison Of Carbon Capture And Storage (Ccs) Technology With Wind Energy; Accepted in MUET journal of Engineering and Technology.
15. Anis Ur Rehman, **Syed Mushtaq Ahmed Shah**, Syed Ali Raza Shah, Saeed Badshah, Prospects of Rural Electrification of Balochistan Province with Renewable Energy Sources, 3rd International conference on Power Generation Systems and Renewable Energy Technologies (PGSRET-2017), 4-6 April 2017, Johor Bahru, Malaysia.
16. M. A. Khattak, Shahid Zaman, M. N.Tamin 1, 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
17. Irfan Ali, Shabbar Naqvi, Syed Mushtaq Ahmed Shah, Muhammad Amin, Tufail; Trade openness and Environmental degradation: A case of Pakistan Econom;Balochistan Journal of and Applied Sciences ISSN 2518-2706 Vol 1 Issue 1(2018)

WORKSHOPS

Organized

- Workshop on semester system From August 24, 2013 to August 24, 2013 held at BUET Khuzdar
- Master Trainer's Workshop on Assessment and Testing for the Implementation of Semester System in Higher Education Institutions of Pakistan From December 04-07 2013 at BUETK sponsored by LID HEC Islamabad
- Workshop on Digital Library April 25, 2014 held at BUET Khuzdar
- Workshop on Paperless Society May 24, 2014 at BUET Khuzdar
- Workshop on official email configuration and efficient use of internet May 31, 2014 at BUET Khuzdar
- Workshop on Assessment and Testing for the Implementation of Semester System in BUETK June 27, 2014
BUET Khuzdar
- Workshop on CPD Frame Work for Professional Development of Engineers and OUTCOME BASED ACCREDITATION
June 06 2014 sponsored by PEC Quetta held at BUET Khuzdar
- Indigenous on-campus training (IOT) for capacity building of non-teaching staff including management cadre (Grade 16 and above) from August 25, 2014 to August 29, 2014 Sponsored by HEC Islamabad
- Indigenous on-campus training (IOT) for capacity building of non-teaching staff of lower cadre (Grade 15 and below)
From December 22-27, 2014 sponsored by HEC Islamabad
- Indigenous on-campus training (IOT) Under modern university governance program (phase-ii)
Workshop on "administrative skills & finance" Held at Balochistan university of engineering & technology, Khuzdar November 2-5, 2015
- Indigenous on-campus training (IOT) Under modern university governance program (phase-ii)
Workshop Ministerial staff Held at Balochistan university of engineering & technology, Khuzdar November 30 to Dec 4, 2015
- Indigenous on-campus training (IOT) Under modern university governance program (phase-ii)
Workshop on "Leadership and administrative skills " Held at Balochistan university of engineering & technology, Khuzdar April 26-29, 2016
- Faculty development training workshop Held at Balochistan university of engineering & technology, Khuzdar May 24-30, 2016
- Continuous professional Development workshop on CPEC Challenges and opportunities for Engineers Held at Balochistan university of engineering & technology, Khuzdar May 28, 2016

LECTURES

*Delivered as
Resource Person*

1. **Quality Assurance in Semester System of Teaching and Examination:** Faculty development training workshop Held at Balochistan University of engineering & technology, Khuzdar May 24-30, 2016
2. **Outcome Based Education:** Faculty development training workshop Held at Balochistan University of engineering & technology, Khuzdar May 24-30, 2016
3. **Continuous Professional Development PEC Bye laws:** Continuous professional Development workshop Held at Balochistan University of engineering & technology, Khuzdar May 28, 2016
4. **PEC CPD at Quetta** July 26, 2017: Managing Safety and Health at work place

TRAINING

International

- ✓ 6th International Advanced Program: Ensuring Training Effectiveness for Master Trainers – Faculty Professional Development Program (MT-FPDP) Alumni at **AIT Thailand** March 23 –April 11, 2015
- ✓ **Leadership Training** for University Administrators **July 2013 in LEICESTER UK**
- ✓ 5 day course on Experimental Dynamics, Model Identification and Damage Detection in Department of Geotechnical and structural engineering University of La Sapienza **ROME ITALY**

TRAINING

National

- **Faculty Development course** Three Months Intensive Course on teaching skills organised by Higher education commission Islamabad under Faculty development programme (June 2004-September 2004)

CONFERENCES ATTENDED

International

- 13th National MANUFACTURING conference, ENISE -Saint-Étienne (**France**), April 2008)
- 11th ESAFORM **international** conference on material forming Villeurbanne (**France**), April 2008)
- 5th National ASSISES Machines et Usinage à Grande Vitesse conférence, Nantes (**France**), June 2008
- 9th National PPF conference, Saint-Étienne (**France**), March 2009
- 16th National MANUFACTURING 21 conference, Tours (**France**), November 2009
- 4th **international** conference on tribology in manufacturing processes ICTMP 2010. Nice (**France**), June 2010

MEMBERSHIP

*Official /unofficial
committees*

- ✓ Member Accreditation Systems Reforms Committee (ASRC) Pakistan Engineering Council (PEC)
- ✓ Member Regional Committee for Professional Engineering Bodies (RCPEBs) Pakistan Engineering Council (for Quetta/Khuzdar Region)
- ✓ Member Engineering Professional Development Committee (EPDC) Pakistan Engineering Council (PEC)
- ✓ Member PEC Expert Committee for review of EPE Curriculum for mechanical engineering & allied disciplines
- ✓ Ex-officio member of Academic Council of Balochistan UET Khuzdar
- ✓ Ex-officio member of Syndicate of Balochistan UET Khuzdar
- ✓ Ex-officio member of Finance committee Balochistan UET Khuzdar.
- ✓ Ex-officio member of selection Board Balochistan UET Khuzdar
- ✓ Chairman Board of Faculty of Balochistan UET Khuzdar
- ✓ Chairman Students Disciplinary Committee UET Khuzdar
- ✓ Chairman Examination Discipline Committee UET Khuzdar
- ✓ Chairman Higher Studies Committee UET Khuzdar
- ✓ Chairman Admission Cell Balochistan UET Khuzdar
- ✓ Chairman Bachelor's Hostel Committee
- ✓ Chairman Procurement Committee for Lab Equipment BUET Khuzdar
- ✓ Member Institutional Scholarship Award Committee Balochistan UET Khuzdar
- ✓ Member Selection Committee for admissions Balochistan UET Khuzdar
- ✓ Member of Board of Studies, Mechanical Engineering Department UET Khuzdar
- ✓ Registered as professional Engineer in Pakistan Engineering council

Good command in Ms Office, (Word, Excel, Power point, good command in making spread sheets in MS EXCEL)

Mechanical design analysis (Stress analysis) in, **Abaqus®** (Commercial FEA Softwares) & its User subroutines **VUMAT, UMAT, DFLUX, DLOAD, UTRACLOAD**, performing linear, non-linear, modal, buckling, transient, & dynamic analysis in **ANSYS** (FEA Software), Programming in FORTRAN language

Computer Skills

Language Skills

Good techno-social knowledge of English and French languages along with Urdu, Persian, Balochi and Brahvi