

CURICULUM VITAE

Dr. AMANULLAH MARRI

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AREAS OF RESEARCH INTEREST

Educational and practical expertise in the following areas of Geotechnical Engineering:

- Advanced Soil Laboratory Testing
- Soil Foundation Interaction
- Soft Ground Improvement
- Geotechnical aspects of subgrade materials
- Offshore Foundation Problems
- Soil Stabilization, Reinforced Earth Structures
- Exploring the behaviour of cemented materials
- Exploring the behaviour of rocks as an engineering material

EDUCATION

PhD	Civil Engineering (Field of specialization– Geotechnical Engineering) Nottingham Center for Geomechanics Faculty of Engineering, The University of Nottingham, UK	2010
ME	Civil Engineering (Field of specialization – Geotechnical and Geoenvironmental Engineering) Asian Institute of Technology, Bangkok-Thailand	2005
B.E.	Civil Engineering Quaid-e-Awam University of Engineering Science and Technology, Nawabshah Sindh	2001

AWARDS

1. Certificate of Excellency from Vice Chancellor Quaid-e-Awam University of Engineering Science and Technology, Nawabshah. Securing first class second position in BE (Civil Engineering) Degree.
2. Merit Scholarship from Higher Education Commission of Pakistan to Pursue M. Engineering Degree from abroad
3. Fully funded PhD scholarship from Higher Education Commission of Pakistan under faculty development program
4. Passed PhD degree without corrections and have been awarded a shield of honour by the Dean faculty of Engineering University of Nottingham

APPOINTMENTS

June 2010-present	Associate Professor Department of Civil Engineering NED University of Engineering & Technology, Karachi-75270
Nov 2010-June 2010	Assistant Professor Department of Civil Engineering NED University of Engineering & Technology, Karachi-75270
Sept: 2006 –Nov 2010	PhD Research Scholar Nottingham Center for Geomechanics Faculty of Engineering, The University of Nottingham, UK
May 2005 – Sept: 2006	Assistant Professor Department of Civil Engineering, NED University of Engineering and Technology, Karachi-75270
August 2003 – May 2005	M Engg: Student Asian Institute of Technology, Bangkok Thailand
April 2002 – August 2003	Lecturer Department of Civil Engineering, NED University of Engineering and Technology, Karachi-75270

PUBLICATIONS

- [1]. Marri, A. Kumar, A. (2006) "Hydrodynamic Pressure on Concrete dams during the Earthquakes" Mehran University Research Journal of Engineering and Technology, Volume 25, No. 2. pp 97-112.
- [2]. Marri, A., Wanatowski, D. and Yu, H.-S., 2010. Drained behaviour of cemented sand at high pressures. In: Proc. 17th Southeast Asian Geotechnical Conference, Taipei, 10-13 May 2010. Vol. 1, pp.17-20.
- [3]. Tsai, M.-T., Wanatowski, D., Marri, A. and Ud-din, S, 2010. Undrained behaviour of cemented sand at high pressures. In: Proc. 17th Southeast Asian Geotechnical Conference, Taipei, 10-13 May 2010. pp. Vol. 1, 29-32.
- [4]. Ud-din, S., Marri, A., Wanatowski, D. and Reddish, D. J., 2010. Effect of fibre reinforcement on drained behaviour of cemented sand. In: Proc. 17th Southeast Asian Geotechnical Conference, Taipei, 10-13 May 2010. Vol. 1, pp.134-138.
- [5]. Marri, A., Wanatowski, D. and Yu, H.S. (2010) "The behaviour of cemented granular materials at high pressures" *The Spencer Institute Engineering Mechanics Symposium 2010. Poster presentation.*
- [6]. Ud-din, S., Marri, A. and Wanatowski, D. (2011) "Effect of High Confining Pressure on the Behaviour of Fibre Reinforced Cemented Sand" *The 5th International symposium on deformation characteristics of geomaterials Seoul, Korea. Abstract accepted.*
- [7]. Ud-din, S., Marri, A., Wanatowski, D., and Reddish, D. J. (2011), Behaviour of cemented sand reinforced with polypropylene fibres. Proc. *14th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering*, Hong Kong, China, 23-27 May 2011, available on CD-ROM.

RESEARCH EXPERIENCE

Co-Supervision of M. Engineering Students at Nottingham Center for Geomechanics at the University of Nottingham

1. *The mechanical behaviour of uncemented sand and fiber reinforced cemented sands at high pressures*

Supervision of final year thesis projects at NED University:

1. *Modification and Calibration of Geotechnical Laboratory Equipments for Commercial Testing*

Research Advisor, NED University of Engineering & Technology-Pakistan

Research presents Evaluation of the available soil testing laboratory equipments, in terms of workability and accuracy, calibration and necessary modification techniques.

2. *Geotechnical Aspects of subgrade Materials*

Research Advisor, NED University of Engineering & Technology-Pakistan

Research presents a case study of subgrade materials in the locally constructed highway projects, their Laboratory characteristics, and effect of poor subgrade materials on pavement performance.

3. *Assessment of Seismic Slope Stability*

Research Advisor, NED University of Engineering & Technology-Pakistan

It focuses the study and investigation of slope stability parameters through laboratory experimentations.

PROFESSIONAL AFFILIATIONS

Pakistan Engineering Council

Review panel member of *Geotechnical Testing Journal*