

FASEEL SULEMAN KHAN

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EDUCATION

Ph.D. Environmental Sys. Engg., UoR, Regina, Canada, Mar. 2013 to Dec. 2016
M.Sc. Geotechnical Engg., UET, Pakistan, Sep. 2007 to Feb. 2011
B.E. Civil Engg., NUST, Pakistan, Nov. 2002 to Jun. 2006

SUMMARY OF POST-BACCALAUREATE EXPERIENCE

- Seven (07) years of consulting and construction experience in the field of geotechnical engineering in Pakistan and International projects mainly in clean energy hydropower projects. Experience working with soils, rocks and slurries in both saturated and unsaturated conditions. I have designed and analysed the following: cutoff walls and grouting requirements for seepage control; instrumentation requirements for dams (earthfill, rockfill, RCC, CFRD, ACFRD dams); geotechnical investigation requirements; rock mass classification and interpretation; slope stability, settlement and seepage in rocks; slopes in dams and channels; landslides; quantity takeoffs; foundations for dams and buildings (shallow and deep); stability of concrete gravity dams; seepage, settlement and seismic stability of small and large dams including a 7100 MW hydropower project (HPP) (for details on my experience please see the link at the end). I have experience with geotechnical softwares such as PLAXIS, GEOSTUDIO, Rocscience, CADAM, GALENA and SoilVision. I have interpreted contracts and technical and financial proposals for dams. I have experience working with multidisciplinary teams in joint ventures on mega projects.
- Five (05) years of research experience. My Ph.D. research is on mine waste management through customized laboratory tests, numerical simulations and through coupling of the consolidation and desiccation behaviour. My M.Sc. research was on the geotechnical analysis of an embankment dam that included: seepage; slope stability; settlement; seismic; dynamic slope stability; and a probabilistic and sensitivity analysis of slope stability.
- One (01) year of teaching experience that includes class presentations for transportation systems and engineering materials. Other presentations include two conference presentations and numerous presentations to our geotechnical group at the University.

CHRONOLOGICAL SUMMARY OF EXPERIENCE

PH.D. AT UNIVERSITY OF REGINA

MAR. 2013 TO DEC. 2016

I published my research as three (03) journal papers in an International peer reviewed journal. In addition I published two (02) peer-reviewed journal papers on swelling soils and clay-sand mixes. As a teaching assistant, I taught transportation systems and engineering materials classes.

SENIOR ENGINEER AT NESPAK

JUN. 2011 TO MAR. 2013

Projects I worked on include AL LITH agricultural embankment dam Saudi Arabia, 850 MW Sukhi Kinari HPP Project, 950MW Neelum Jhelum HPP, 747MW CCPP Guddu Project, Bara Dam Project, small gravity dams in north western areas of Pakistan, four (04) HPP dams on Kishenganga-Neelum river.

ENGINEER AT MMPAKISTAN (Subsidiary of Mott MacDonald UK) AUG. 2009 TO JUN. 2011

Worked with local and joint venture engineers of various disciplines on 7100 MW Bunji HPP. The joint venture consisted of Mott MacDonald UK, MMPakistan, Sogreah Consultants, Nippon Koei and Development & Management consultants.

M.SC. AT UET, PAKISTAN SEP. 2007 TO MAR. 2011

Part-time candidate where I published my research as one (01) journal paper in a National peer-reviewed journal and one (01) conference paper.

GEOTECHNICAL ENGINEER AT PES MAY. 2007 TO MAY. 2009

The projects I worked on were 106 MW Golen Gol project, Naulong Dam Project, 83 MW Kurram Tangi Dam, 17 MW Satpara Dam, and 150 MW Shahpur and 200MW Lakhra Coal Fired projects.

MANAGEMENT TRAINEE AT DESCON JUL. 2006 TO APR. 2007

I got in-house project management training and carried out site supervision for construction of 1000 MW Mangla Dam Raising Project.

PROFESSIONAL ASSOCIATIONS

- EIT with APEGS Canada. Reg. 31459
- Canadian Geotechnical Society. Reg. 064387
- Canadian Dam Association
- P.Eng. in Pakistan: Pakistan Engineering Council. Reg. 26594
- Pakistan Geotechnical Engineering Society. Reg. PGES-M-83
- Pakistan Engineering Congress. Reg. 4237

ACADEMIC AND PROFESSIONAL REFERENCES

Dr. Shahid Azam, Professor, University of Regina, Canada, shahid.azam@uregina.ca
Dr. Maki Ito, Postdoc researcher, University of Regina, Canada, yston3@sasktel.net
Dr. Mubashir Aziz, Assistant Professor, Ibn Saud University, KSA, mubaziz@imamu.edu.sa
Abdus Salam, General manager, NESPAK, Pakistan, Abdus_salam_khan@hotmail.com
Dr. Zaheer Malik, Principal engineer, PES, Pakistan, zaheer_malik8@hotmail.com

AWARDS, PUBLICATIONS AND VOLUNTEER EXPERIENCE

My list of awards, publications, and volunteer experience can be found in my curriculum vitae, which can be viewed at the following link:

<https://drive.google.com/file/d/0B18Bnt68xB4RTkY3Sld5QTVROUU/view?usp=sharing>
