Soil Mechanic - for BS
Foundation Engineering - for BS
Advanced Soil Mechanic - for MSc
Advanced Foundation Engineering - for MSc
Advanced Soil Mechanic2 - for PhD

Curriculum Vitae

*PERSONAL INFORMATION:

Associate Professor; Department of Civil Engineering
Tarbiat Modares University, Tehran, Iran
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* HIGHLIGHTS OF QUALIFICATIONS

17 •years experience in research
13 •years experience in teaching
21 •years experience in geotechnical engineering

*SUMMARY OF ACCOMPLISHMENTS

RESEARCH, ANALYTICAL & DESIGN SKILLS

•Completed a Ph.D. Thesis in the field of Geotechnique on Steady state behavior of silty sands
•Completed an M.S.c. Thesis on Crack propagation of reinforced slab using layered finite element method.
•Head of soil mechanics laboratory (TMU.(
•Designing and manufacturing the unsaturated triaxial apparatus.
•Designing and manufacturing unsaturated direct shear apparatus.
•Designing and manufacturing automatic soil sampler apparatus.
•Designing and manufacturing a large direct shear (500×500×250 mm) apparatus.
•Analysis and design of more than 200 geotechnical site investigation projects.
•Geotechnical investigation of site, body and borrow materials of 20 embankment dams.
•Geotechnical investigation of site and foundation of 10 grain silos (100,000 tones) in Syria.
•Head of design and supervision team of dynamic compaction project (more than 400 hectare), Iran, Persian Gulf.
•Analysis and design of pile load test.

*REASERCH & TEACHING SKILLS

•Teaching a variety of courses and subjects like: Soil Mechanics, Foundation Engineering, Design of Earth and Rock fill Dams, Earthquake Geotechnical Engineering.
•Instructed laboratory experiments in static and dynamic large triaxial test, and large direct shear test.
•Instructed field geotechnical tests.

•Supervised 6 Research projects in the field of soil improvement and cemented soils.
•Supervised 4 Research projects in the field of unsaturated soils.

*** WORK EXPERIENCE**

•Academic staff , 1995 up to now, Department of civil engineering , University of Tarbiat modares.
•Senior Expert and Higher Consulting of Geotechnics
P.O.R. Consultant Engineers, Tehran, Iran 1997 up to now.
•Senior Expert and Higher Consultant of Geotechnics, 1994 up to now.
Iran Sazeh Pardazi Consulting Engineers, Tehran, Iran
•Expert, Supervisor and Senior Engineer, 1989 – 1994
Asenab, Abgir Consultant Engineering Companies, Tehran, Iran
•Workshop Engineer, 1988 - 1989
Vauon Company, Tehran, Iran
•Senior Expert and Higher Consultant of Geotechnics
POA Consultant Engineers, Tehran, Iran

*** EDUCATION**

•Ph.D. Degree in Civil Engineering
Sharif University of Technology, 1997
•M. Sc. in Structure/Civil Engineering Tabriz University, 1992
•B. Sc. In Civil Engineering Tabriz University, 1988

***INTERESTED FIELD OF STUDY**

Unsaturated soil mechanics.
Improvement of expansive soils.
Liquefaction of gravely or silty sand soils.
Cemented soils.
Study on the material of rockfill dams and embankments.
Site investigation.

*** PUBLICATIONS**

•Assadi, A., Yasrobi, S.S., 2008, "A Micro-Mechanical Approach to Swelling Behavior in Unsaturated Expansive Clays under Different Drainage Conditions," Applied Clay Science – Accepted to be Published - doi:10.1016/j.clay.2008.09.004

•Mirzaii, A., Yasrebi, S.S & Gatmiri, B. (2008) Mechanical behaviour of an unsaturated clayey sand, Unsaturated Soils: Advances in Geo-Engineering, Proc. 1st European Conf. on Unsaturated Soils, Durham, UK (ed. Toll, D.G., Augarde, C.E., Gallipoli, D. & Wheeler, S.J.), Leiden: CRC Press/Balkema, pp. 453-458.

•Banimahd, S.Yasrobi, P.K.WoodWard, Artificial neural network for stress-strain behavior of sandy soils, Computers and Geotechnics Journal, No. 32, Pages 377-386

•M.H. Moavenian, S. Yasrobi, Volume change behavior of compacted clay due to organic liquids as per meant, Elsevier, Applied clay science Journal

•A.Azad, S. Yasrobi, A. Pak, seismic active pressure distribution behind rigid retaining walls, Elsevier, soil dynamics and earthquake engineering Journal, Pages 365-375

•I.Ashayeri, S. Yasrobi, Free-Swell and swelling Pressure of Unsaturated Compacted Clays; Experimental and Neural Networks Modeling, Geotech. geol. eng. Journal

•Azad , S. Yasrobi, (2006). Granular filter design : Direct or indirect? ,7 th International congress on civil engineering , Tehran

•A. Azad , S. Yasrobi, A. Pak (2006). Dynamic Behavior Assessment of Geosynthetic Reinforced Soil, 8th International conference on Geosynthetics, Japan.

•M. Biglari , S. Yasrobi, (2005). The Impact of Sodium Chloride Solution on Hydraulic Conductivity of Sodium – Potassium Montmorillonite Clay , 58th Canadian conference on geotechnics, Saskatoon , Canada.

•I. Ashayeri, S. Yasrobi (2005). Evaluating the effects of compaction characteristics on swelling pressure of compacted clays, proceedings of international conference on problematic soils, Famagusta, Cyprus.

•M. Biglari, S. Yasrobi (2005). Effects of NACL solution on free swelling behaviour of compcted clays. proceedings of

international conference on problematic soils, Famagusta, Cyprus.

•M. Banimahd, S. Yasrobi, P. K. Woodward (2005). Artificial Neural Network For Stress – Strain Behavior of Sandy Soils: Knowledge Based Verification , 5Journal of Computers and geotechnics , Vol 39 , pp: 377 – 386.

•S.M. Haeri, S.M. Hosseini, D. Geoffry Toll and S. Yasrobi, (2004). The Behaviour of an Artificially Cemented Sandy Gravel, Journal of Geotechnical and Geologocal Engineering, 21, Netherlands.

•A. Azad, S. Yasrobi, A. Pak, (2004). Lateral Earth Pressure on Geosynthetics-Reinforced Soil Walls During Earthquake, International Conference on the use of geosynthetics in soil reinforcements and Dynamics, Frieberg, Germany.

•I. Ashayeri, S. Yasrobi, (2004). Swell and Swell-Pressure Assessment of five Compacred Clays, 57th Canadian conference on geotechnics, Quebec, Canada.

•S. Yasrobi, A. Azad (2004). Facing Effects in Geosynthetic-Reinforced Soil Structures, 57th Canadian conference on geotechnics, Quebec, Canada.

•S. Yasrobi, M. Biglari, (2004). Swelling Behaviour of Compacted Clays due to Brine Permeation No.262, 15th South-East asian geotechnical society conference, Bangkok, Thailand.

•E. Asghari, S. Yasrobi, (2004). Estimating The In-situ Cohesion of Tehran Cemented Alluvium Using Plate Load Test along the Edge of Trench, Proceedings on geotechnical and geological site characterization , Rotterdam, Netherlands.

•S. Yasrobi, A. Azad, (2004). Laboratory Simulation, The best method to Critical Granular Filter Design, 2nd international conference on scour and erosion, Singapore.

•S. Yasrobi, A. Azad, (2004). Facing Effects in Geosynthetic-Reinforced soil structures, 57th Canadian geotechnical conference, Quebec, Canada.

•S. Yasrobi, A. Azad, (2004) Assessment of Granular Filter Function In Embankment Dams, Soil properties and Processes, Euro soil.

•S. Yasrobi, E. Asghari (2004) Dynamic Compaction in Assallouyeh, Iran, 5th international conference on case histories in geotechnical Eng. , NYC, USA.

•S.M. Haeri, S. Yasrobi, A. Uromeihy, E. Asghari, (2003). Engineering Geology aspects of Cemented Coarse Grained Alluvium of Tehran, Geoscience

•S. Yasrobi, A. Bagherieh, (2003). Monitoring the Deformation of Embankment Dams During Construction, 12th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering.

•S. Yasrobi, M. Banimahd, (2003). Neural Network Based Prediction of Silty Sands Behavior, Conference on Deformation Characteristics of Geomaterials, ISLyon, France.

•S. Yasrobi, I. Ashayeri, (2003). Predicting Optimum Water Content and Dry Weight of Clay Soils Using Neural Network, 56th Canadian Geotechnical Conference.

•S. Yasrobi, M. Banimahd, (2003). Application of Neural Network in Geotechnical Engineering, Modeling, Analysis and Design, Modares Technical and Engineering Journal.

•S. Yasrobi, E. Asghari, (2002). Influence of Cementation on the Shear Strength of a Gravelly Sand Using Large Direct Shear Test, 55th Canadian Geotecnical Conf., Niagara Falls, Canada

•S. Yasrobi, E. Asghari, (2002). Effect of Cementation on the Shear Strength of Tehran Alluvium, 9th Engineering Geology for developing countries, South Africa

•M. Nikoodel, S. Yasrobi, M. Sheshpari, (2002). Role of Geological Investigations in Hydraulic Filled Lands at Assalouyeh, Symposium on Geoscience

•S. Yasrobi, R. Esfandi, (2002). Effects of Compaction Energy and Plasticity Index on Compaction Characteristics of Clayey Soils, Modares Technical and Engineering Journal, Iran.

•M.T. Rayhani, S.M. Fatemi Aghda, S. Yasrobi, (2002). Assessment of the Effect of Rock Quality on Mechanical Behavior of Rock fill Materials using Triaxial Test, 9th Conference of the International Association for Eng. Geology and Environments, South Africa.

•S. Yasrobi, E. Asghari, (2001). Estimating the in-situ cohesion of Tehran Cemented alluviums, 54th Canadian Geotecnical Conf., Calgary, Canada.

•S. Yasrobi, M. Sehat, (2001). Design and Manufacturing Large Shear Box TestApparatus. Report of Research Project, Tarbiat Modares University, Tehran, Iran.

•S. Yasrobi, S. Sobhani, (2000). Modeling of undrained stress-strain behaviour of silty sands using Neural Net Works, 3rd Int. conf. of Civil Eng., Mashhad, Iran.

•S. Yasrobi, M. Taghipoor, (2000), Desgin of Tunnel Support using Neural Network, 3rd Int. conf. of Civil Eng., Mashhad, Iran.

•S. Yasrobi, E. Asghari, (2000). Effects of natural cementation on the deformation parameters of Tehran alluviums, 1st Regional Eng. Geology Conf., Tabriz, Iran.

•S. Yasrobi, S.M. Haeri, (1999). A New Stat S. Yasrobi, E. Asghari, (2000). Effects of natural cementation on the deformation

parameters of Tehran alluviums, 1st Regional Eng. Geology Conf., Tabriz, Iran.

•S. Yasrobi, S.M. Haeri, (1999). A New State Parameter for Silty Sands, Third International Conference of Earthquake Engg, Tehran, Iran.

•S. Yasrobi, S.M. Haeri, (1999). Effect of Angularity and Fine Content on Void Ratio of Silty Sands, Ninth International Conference on Soil Dynamic and Earthquake Engg., SDEE 99, Bergen, Norway.

•S. M. Haeri, S. Yasrobi, (1999). Prediction of level ground damage induced by liquefaction, Ninth Inter national Conferences on Soil dynamics and Earthquake Engg., SDEE 99, Norway.

•S.M. Haeri, S. Yasrobi, (1999). Steady State Behavior of Silty Sands, Scientica Iranica, Vol 6, No. 3, pp 188-195.

•S. Yasrobi, N. Hafezi, (1999). Geotechnical and Geoenviromental Study of Sefid-Rood River, 1St International Conf. of Geoenviromental Eng., Tehran, Iran.

•S.Yasrobi, M. Reihani, (1999). Geoenviromental Problems of Sabalan Dam's Construction Material, 1St Int. Conf. of Geoenviromental Engg., Tehran, Iran.

•S.Yasrobi , M. Hojat, (1999), Using Soft Rock in Breakwater Structures, Second International Conf. of Hydraulic structures, Tehran, Iran.

•S. Yasrobi, S.M. Haeri, (1998). Effect of Shape of Fine Particles on Stress- Strain Behavior of Silty Sands, 11th Conf. on Earthquake Engg., Paris, Fr

•S.M. Haeri, S. Yasrobi, (1993). Evaluation of Liquefaction Potential of Rasht, Report of Research Project UNDP, IRAN.

•SM. Haeri, S.Yasrobi, (1992). Evaluation of Liquefaction Potential of Astaneh, Report of Research Project UNDP, IRAN.