

Curriculum Vitae

Name Dr.B.V. RAVISHANKAR
Address #356, 3rd Main, 7th Cross
Srinivasanagar, Bangalore-50
Tel: 26699999(Residence)
Email: prof.bvrs@gmail.com
Date of Birth 1st May 1961
Nationality INDIAN

DETAILS OF ACADEMIC QUALIFICATIONS

Degree	University	Year of obtaining the degree
B.E. (Civil)	Bangalore University, Bangalore.	1985
M.E Environmental Engg.	Bangalore University, Bangalore.	1987
Ph.D. (Civil) Geotech	Indian Institute of Science, Bangalore. Research is carried out on “ Cyclic and Monotonic Undrained Behavior of Sandy Soils under Prof., T.G.Sitaram	2006

DETAILS OF PROFESSIONAL TRAINING AND RESEARCH EXPERIENCE

DETAILS OF EMPLOYMENT

Position held	Responsibilities / Duties	Period held	Organization name and address
Lecturer	Taught undergraduate courses in civil engineering Counseling undergraduate students.	1987 – 1994	Department of Civil Engg B.M.S.College of Engineering, Bangalore-19, INDIA
Assistant Professor		Jan 1994- Sep 2006	
Professor	Civi Engineering department	Sep 2006 - onwards	
Principal		Sept.2010 –Aug2013	Cambridge Institute of Technology, B`lore
Professor	Civi Engineering department	Sep2013- Till Date	B M S C E

Membership of Professional Bodies

- (i) Member of Indian Geotechnical Society (IGS)
- (ii) Executive committee member, Karnataka Geotechnical Center.
- (iii) Life Member of Indian Society for Technical Education
- (iv) Member of International Society for Soil Mechanics and Geotechnical Engg.

Member of Governing Council: 1. Cambridge Institute of Technology-Bangalore
2. Neharu Smaraka Vidya Kendra-jayanagar, Bangalore
3. M.S. Engineering college-Bangalore ,VTU Nominee

Member of BOE : 1.U.V.C.E, Bangalore University- 2009-2010
2. V.T.U. Civil Engineering, Belgaum 2010-2011
3. V.T.U. Local Inquiry Committee member 2010-2013

INVITED SPEAKER

- Conducted **orientation program** for 1st and 3rd semester engineering students of A.P.S. College of Engineering –Bangalore. 21st Feb 2007.
- Delivered a talk on **Engineering with reference to recent trends** for EDU-CHOICE-30th March 2008, Chowdaiah Memorial hall, Bangalore
- Delivered a talk on **Teaching Methods and Stress management** for primary and high school teachers-20th May 2008, NSVK school, Jayanagar, Bangalore
- Delivered a talk on “**Enineering-An out look**” for Promising Engineering students at Kalamandira, Mysore, organized by Deccan Herald , 31st May2008
- Delivered a lecturer on “**Quality Control for rehabilitation of Irrigation Tank Works**” under jala samvardhane yojana sanga , District workshop by EGIS-India,ADIT college, Chikamagalur, 2nd & 3rd Aug2010.
- Delivered a lecturer on “**Quality Control for rehabilitation of Irrigation Tank Works**” under jala samvardhane yojana sanga , District workshop by EGIS-India,JNN college, Shimoga, 6th &7th Aug2010.
- Delivered a lecturer on “**Quality Control for rehabilitation of Irrigation Tank Works**” under jala samvardhane yojana sanga , District workshop by EGIS-India,RJDB college, Bijapura Aug 2010
- Delivered a lecture on “**Effective Teaching and Learning**”, JSS Academy of Technical Education, Mauritius 18th December 2010

Publications

Journals

1. Sitharam, T. G. **Ravishankar, B. V.** and Vinod, J. S. (2008), Liquefaction and porepressure generation in sands: A cyclic strain approach, *International Journal of Earthquake and Tsunami*, 2 (3): 227-240.

2. Sitharam, T. G. Vinod, J. S. and **Ravishankar, B. V. (2008)** "Evaluation of undrained response from drained triaxial shear tests: DEM simulations and Experiments", *Geotechnique*, 58 (7); pp. 605-608.
3. Sitharam, T. G, **Ravishankar, B. V.** and Vinod, J. S. (2008), "Dynamic properties of dry sands", *Indian Geotechnical Journal*, 38(3); pp 345-35
4. Sitharam, T. G. Vinod, J. S. and **Ravishankar, B. V. (2009)** "Post liquefaction undrained monotonic behaviour of sands: Experiments and DEM simulations", *Geotechnique*, Vol. 29 (9): 739-749.
5. G.mahesh Kumar, S.V. Dinesh and **Ravishankar B.V.**, (2010) "Effect of Fines on Dynamic Properties of Liquefaction Induced sandy Soils" *International Journal of earth Sciences and Engineering*, Vol. 03, No.03SPL, Pp 460-468.
6. Sitharam, T. G. **Ravishankar, B. V.** and Patil. S M., (2012), "Liquefaction and pore water pressure generation in sands cyclic strain controlled Triaxial Tests" *International Journal of Geotechnical Earthquake Engineering*, 3(1), Pp 57-85

Publications in International Conferences

1. Sitharam, T. G., **Ravishankar, B. V.** and Murali Krishna, A. (2003) "Settlement of dry sands from Ahmedabad, India, during Bhuj earthquake," Proc. 11th International conference on Soil Dynamics and the 3rd International Conference on Earthquake geotechnical Engineering, Berkely, USA. Vol. 2, Pp 208-213
2. Sitharam, T.G., GovindaRaju, L., **Ravishankar, B.V.**, and Srinivasa Murthy, B.R., (2004), "Characteristics of Liquefied Silty Sands from Meizoseismal Region of Shillong Plateau, Assam in India", 13th World Conference on Earthquake Engineering, Vancouver, paper number 2375, pp.14. (CDROM).
3. Sitharam, T.G., **Ravishankar, B.V.**, and GovindaRaju, L. (2005), " Deformation characteristics of sandy soils subjected to cyclic loads", proc. 16th International Conference on Soil Mechanics and Geotechnical Engineering , Osaka, Japan, pp 2707-2710
4. Sitharam, T. G. Vinod, J. S. and **Ravishankar, B. V. (2006)**, "Liquefaction and post liquefaction behaviour of granular materials, **Keynote Lecture**, International Symposium on Geomechanics and Geotechnics of Particulate Media, Ube, Yamaguchi, Japan, pp. 1-10.
5. Sitharam, T.G., **Ravishankar, B.V.** And Vinod, J.,(2007) " Post Liquefaction undrained Behaviour of Sands" Proceedings of 13th ARC International Conference, Vol-II,pp 658-661 Kolkatta

- 6 Sitharam, T. G. Vinod, J. S. and **Ravishankar, B. V.** (2007), “Influence of initial anisotropy on liquefaction behaviour of granular materials using DEM, *Mineral Engineering Conference, Discrete Element Method 07*, Brisbane, Australia.(in CR –R)
- 7 Sitharam, T.G, **Ravishankar, B. V**, and Vinod, J. S. (2010), A Note on the Effect of Non Plastic Fines on the Liquefaction and Reconsolidation Volumetric Strain Behaviour of Sands, *Fifth International Conference On Recent Advances In Geotechnical Earthquake Engineering And Soil Dynamics and symposium In Honor Of Professor I. M. Idriss*, San Diego, Canada – pp No. 4.02a, pp. 1-4.
- 8 Vinod, J S, Sitharam, T G and **Ravishankar, B V** (2010), “ DEM Simulations of liquefaction and post liquefaction behaviour of granular materials”, *Seismic Engineering- Design for Management of Geohazards Symposium, AGS Sydney Pp149-156*

Publications in National Conferences

1. Sitharam, T.G, **Ravishankar, B.V** , (2003) “ Shaking table facility At Indian Institute of Science and effect of Shaking on Settlement Behaviour of Sand” Proceedings, Work shop on Current Practices and Future trends in Earthquake Geotechnical Engineering, Indian Institute of Science, Bangalore, India, 23-24 December, pp. 91-98
2. **Ravishankar, B.V.**, Sitharam, T.G. and GovindaRaju,L.(2005), “Dynamic Properties of Ahmedabad Sands at Large Strains”, Proc. Indian Geotechnical Conference-2005, Ahmedabad, India, Vol. 1, 369-372.
3. S.V. Dinesh, G.mahesh Kumar and **Ravishankar B.V.**, (2008), “ Liquefaction of Granular Materials By Experimental and Discrete Element Simulations” proceedings of the CAM2TBST, CBRI, Roorkee, India, pp-410-419.
4. **Ravishankar, B. V**, Vinod, J. S. and Sitharam, T.G. (2008), Reconsolidation volumetric strains characteristics of liquefied sands, *Indian Geotechnical Conference (IGC-08)*, Bangalore, India, December 2008, Vol.2, pp. 456-459.
5. S.V. Dinesh, G.mahesh Kumar and **Ravishankar B.V.** and T.G.Sitharam ,(2008) “ Effect of Fines on Liquefaction potential of Reconstituted Ahmedabad Sand” proceedings of the Indian Geotechnical Conference-, Iisc, Bangalore, India. Vol.2, Pp.441-443
6. Mahesh, **G.K.**, Dinesh, S.V. and **Ravishankar, B.V.** (2009), “Effect of Fines on Dynamic Properties of Liquefaction Induced Sandy Soil”, International Conference on “Advances in Concrete, Structural and Geotechnical Engineering (**ACSGE-2009**)”, 25-27 Oct. 2009, **BITS PILANI**, Rajasthan, **INDIA**.
7. G. Mahesh Kumar, B. G. Shivaprakash, **B.V. Ravishankar**, S.V. Dinesh & T.G.

Sitharam(2011)“Effect of cohesive soil with low plasticity on Liquefaction Potential of reconstituted sandy soils” *Indian Geotechnical Conference (IGC-11)*, Kochi, Kerala India, Vol.1, pp. 297-300.

8. Shivaraju.R, B.V. Ravishankar & H.S.Nanda.,(2011) “Engineering properties of soil contaminated with dying effluent” *Indian Geotechnical Conference (IGC-11)*, Kochi, India, December 2011, Vol.2, pp. 788-790.
9. G. Mahesh Kumar, M. S. Balreddy, **B.V.Ravishankar** and S.V. Dinesh (2012), “Role of Plasticity Index on the Liquefaction Behavior of Sand-Fines Mixture”, Proceedings of Indian Geotechnical Conference (Advances in Geotechnical Engineering) (**IGC-2012**), 13-15, Dec. 2012, Delhi, **INDIA**, Vol. 2, pp. 1017-1020.

INTERACTIONS WITH INDUSTRY

A) Geotechnical Consultant: Geotechnical investigations for private as well as state and central government organizations. As a Geotechnical consultant, advised and acted as consultant covering a wide range of civil and geotechnical structures. Industries with which the author has interacted are BMC, HAL, URC Constructions and KSCB etc.

CONFRENCES/WORKSHOPS ORGANIZED

- B) Organized a work-shop on "**Recent Trends in Geotechnics and Geoenvironmental Engineering**" at BMSC, during September, 2005
- C) Organized two days work shop on “ **GIS and SPATIAL DATA MINING**” at BMSCE during 8th and 9th of September, 2006
- D) **Joint Secretary** for the Indian Geotechnical Conference-2008, Organized jointly by IISc and KGC.

INSTRUMENTATION SKILLS

- At the Indian Institute of Science, I have conducted experiments using a state of the art indigenously developed cyclic triaxial tests and Uni-axial shaking table tests on sand samples from earthquake affected area of Ahmedabad to evaluate the cyclic strength and liquefaction potential.

Languages: Telugu- Good in speaking and reading

Kannada - excellent in speaking, reading and writing

English - excellent in speaking, reading and writing

Hindi- Good in speaking, reading and writing

Tamil- Good in speaking

Certificate

I am, the undersigned certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications and my experiences.



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