Curriculum Vitae

Personal Information

Gender Nationality Mother tongue Birth date and place Family status Address

Name

JIANG, Yuan-Jun Male Chinese Chinese 18th Oct. 1982, China Parents and me 9#, Section 4, RenMinNanLu A Chinese Academy of Sciences



Parents and me 9#, Section 4, RenMinNanLu Avenue, ChengDu, SiChuan, Institute of Mountain Hazards & Environment, Chinese Academy of Sciences Phone: +86 28-85228816 Mobile: +86 18224485604 E-Mail : yuanjun.jiang.civil@gmail.com

Contact

Education

Oct. 2008 to Sep. 2011	University of Tokyo, Japan
Principal subjects	Civil engineering, focus on geotechnical engineering
Doctoral Dissertation	Dynamic impact of dry granular flow on rigid retaining structure
Qualification awarded	Ph.D. of Engineering (Date of grant: 27/09/2011)
Sep. 2005 to Aug. 2008	Southwest Jiaotong University, China
Principal subjects	Civil Engineering, focus on tunnel engineering
Master-Doctor program	Study on the long-term safety of a tunnel structure in high geo-stress condition
Qualification awarded	without completion, and restart doctoral course in the University of Tokyo
Sep. 2001 to Aug. 2005	Southwest Jiaotong University, China
Principal subjects	Civil Engineering
Bachelor Thesis	Structural design of a two-floors subway station
Qualification awarded	Bachelor of Science in Civil Engineering (Date of grant: 01/07/2005)
Work Experience	
Dec. 2011 up to date	Institute of Mountain Hazards & Environment, Chinese Academy of Sciences
Position	Research Assistant
Fellowships	MEXT scholarship (Ministry of Education,Culture,Sports,Science & Technology in Japan)

Publication	
	Jiang, Y.J. and Towhata, I. Experimental Study of Dry Granular Flow and Impact Behavior Against a Rigid Retaining Wall, Rock Mechanics and Rock Engineering, 2013. (DOI 10.1007/s00603-012-0293-3).
	Towhata, I. and Jiang,Y.J. Geotechnical Aspects of 2008 Wenchuan Earthquake, China; Special Topics in Earthquake Geotechnical Engineering; Geotechnical, Geological and Earthquake Engineering, Springer; Vol. 16, 2012, pp 67-89.
	Jiang, Y.J. and Towhata, I. Dynamic impact of dry granular flow on retaining wall—regression formula for point of action of critical impact force; Geotechnical Engineering For Disaster Mitigation And Rehabilitation And Highway Engineering 2011, Geotechnical and Highway Engineering - Practical Applications, Challenges and Opportunities, World Scientific Publishing; ISBN:978-981-4365-15-4, 981-4365-15-7, pp 362-367.
	Towhata, I. and Jiang, Y.J. Dynamic impact of dry granular flow on retaining structure—regression formula for calculation of critical impact force; Geotechnical Engineering For Disaster Mitigation And Rehabilitation And Highway Engineering 2011,Geotechnical and Highway Engineering - Practical Applications, Challenges and Opportunities, World Scientific Publishing; ISBN:978-981-4365-15-4, 981-4365-15-7, pp 95-108.
	Jiang,Y.J. and Towhata,I. Dynamic impact of dry granular flow on retaining wall—one relationship between critical impact force and potential energy; 4th Japan-Taiwan Joint Worlshop on Geotechnical Hazards from Large Earthquakes and Heavy Rainfalls; pp 295-306;
	Jiang, Y.J. and Towhata, I. Dynamic Impact of Dry Granular Flow on Prefabricated Tunnel; Proc. 46st Japan National Conf. on Geotechnical Engineering, Kobe, Japan; pp 1883-1884;
Foreign language	English
	good working knowledge, incl. technical vocabulary
Level	6 years language courses, 3 years main communication language
	English doctoral course and dissertation
Research	My doctoral thesis is based on the project of "Research into the road hazards induced by a dry granular flow impact", which was funded by the Japanese Government from 2009.3 to 2011.3. My doctoral dissertation was mainly built on the basis of granular flow impact experiments and some Discrete Element Method simulations.
	Current research is about flow behavior of landslide and debris flow by both experimental and numerical methods.
Technical skills	Experimental experience of granular flow test
	Knowledge of Discrete Element Method (DEM), DEM code design, FEM and Finite Difference Method
	Knowledge of the following programming languages: C++, C#, Matlab
	Computer software knowledge in: ANSYS (FEM analysis), FLAC (Fast Lagrange Analysis Code), FLO- 2D

Academic Referee

Prof. Dr. Ikuo TOWHATA

Geotechnical Engineering Lab at University of Tokyo

Vice President of Asia for ISSMGE (International Society for Soil Mechanics and Geotechnical Engineering)

Relationship with the applicant: Doctoral dissertation supervisor of the applicant

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Associate Prof. Dr. Taron Uchimura

Geotechnical Engineering Lab at University of Tokyo

Relationship with the applicant: Previous colleague, Prof. Uchimura also works in the geotechnical lab of the University of Tokyo, who knows well the study process of the applicant

Tel: +81-3-5841-6120, E-Mail: uchimura@civil.t.u-tokyo.ac.jp

Associate Prof. Dr. Yu Zhao

Institute of Mountain Hazards & Environment, Chinese Academy of Sciences

Relationship with the applicant: Present colleague

Tel: + 86-13880865459, E-Mail: zhaoyu@imde.ac.cn