



Shaojun Fu

Ph.D, Professor, Wuhan University /Xijing University

Head of School of Civil Engineering, Xijing University

Email: shaojunfu69@vip.sina.com / fushaojun@xijing.edu.cn

Background

Education Experience

- 1988.09-1992.07 at Gezhouba Dam Hydropower Engineering College, China. Major in hydropower engineering, bachelor's degree.
- 1995.09-1998.07 at School of Civil Engineering, Wuhan University, China. Major in Structure Engineering, master's degree.
- 1999.09-2005.07 at School of Water Resources and Hydropower Engineering, Wuhan University, China. Major in hydraulic structure, doctor's degree.

Working Experience

- 1992.07-1998.11 assistant engineer, engineer, Guangdong Yunan Water Conservancy Bureau, China.
- 1998.12-2002.10 Lecturer, Wuhan University, China.
- 2002.11-2009.10 Assoc. Professor, Wuhan University, China.
- 2011.08-2012.09 Academic visitor, University of Birmingham, UK.
- 2009.12-present Professor, Wuhan University, China.
- 2016.10-present Professor and Dean of School of Civil Engineering, Xijing University, China.

Contact Details

- Office phone: +86-27-13072710832
- Email: shaojunfu69@vip.sina.com / fushaojun@xijing.edu.cn
- Address: No. 8 East-lake South Road, School of Civil Engineering, Wuhan University, Wuhan, China/No. 1 Xijing Road, School of Civil Engineering, Xijing University, Xi'an, China
- Post code: 430072/710123

Scientific Activities

Scientific Part-time Job

- 2016.07-2020.07 Civil Engineering Committee of Chinese Society of Electrical Engineering, Vice Chairman.
- 2018.10-2023.09 Special Committee on Numerical Simulation of Chinese society of dam engineering, Deputy Secretary-General.
- 2008.08-present Chinese Society for Rock Mechanics and Engineering, committee member
- 2018.01-present Shaanxi Key Laboratory of safety and durability of concrete structures, Chairman
- 2014.10-present ENGINEERING JOURNAL OF WUHAN UNIVERSITY, Editorial Committee member

Reviewer of Journals

- ENGINEERING JOURNAL OF WUHAN UNIVERSITY
- Chinese journal of rock mechanics and engineering
- Chinese journal of YELLOW RIVER
- Journal of Chongqing Jiaotong University (natural Science)
- Chinese journal of engineering mechanics
- Applied Mathematical Modelling
- CHINA RURAL WATER AND HYDROPOWER
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RESEARCH INTERESTS:

- Temperature control and anti-cracking of Mass concrete structures
- Numerical analysis of geotechnical and dam engineering

TEACHING ACTIVITY:

- Frame structure analysis program (Undergraduate course)
- Hydraulic reinforced concrete structures (Undergraduate course)
- Elastic-plastic mechanics (Master's course)
- Nonlinear analysis of reinforced structures (Master's course)

SELECTED PUBLICATIONS:

BOOKS AND BOOK CHAPTERS

- Standard of ministry of water resources of the people's republic of china. Design Code for Hydraulic Concrete Structures (SL 191-2008). China water & Power Press, 2015 (English Review)
- Standard of Energy Bureau of the people's republic of china. Design Code for Rock-bolted crane grids in underground powerhouses (NB/T 35079-2016). China water & Power Press, 2016 (P17-18)
- Zou Lichun. Design theory and engineering practice of high arch dam [M]. China water & Power Press, 2017
- Ren Xuhua. Modern engineering design method. Tsinghua university press, 2009, (Chapter 3)

JOURNAL PAPERS

- Fu, S. and S. Chen (2004). "Feedback analysis of the intake slope of Longtan Hydropower project." International Journal of Rock Mechanics and Mining Sciences 41(SUPPL. 1): 3B 05 01-06.
- Fu, S., H. Qiu, et al. (2008). "Study on key problems of finite element analysis of crane beam on rock wall." Yanshilixue Yu Gongcheng Xuebao/Chinese Journal of Rock Mechanics and Engineering 27(10): 2124-2129.
- Fu, S., Q. Wu, et al. (2009). "Finite element analysis of thermal consolidation." Tumu Gongcheng Xuebao/China Civil Engineering Journal 42(1): 95-100.
- Fu, S., B. Zhang, et al. (2008). Tracking prediction of stability and deformation of the large underground structure group during the period of construction. 12th International Conference on Computer Methods and Advances in Geomechanics 2008, October 1, 2008 - October 6, 2008, Goa, India
- Zhang, J., F. Wang, S. Fu, et al. (2011). Reinforcement mechanism and engineering applications of jointed rock mass. 2011 International Conference on Uncertainty Reasoning and Knowledge Engineering, URKE 2011, August 4, 2011 - August 7, 2011, Bali, Indonesia, IEEE Computer Society.
- Zhang, X., S. Chen, S. Fu, et al. (2010). "Modification to deformation method of stress computation of concrete." Shuili Fadian Xuebao/Journal of Hydroelectric Engineering 29(6): 187-192.

- Zhu, C., S. Fu, et al. (2011). Analysis and numerical simulation of GFP-SN anchorage mechanism on laboratory pullout tests. 2011 International Conference on Mechanical Materials and Manufacturing Engineering, ICMMME 2011, June 20, 2011 - June 22, 2011, Nanchang, China, Trans Tech Publications.
- Fu, S., S. Zhang, et al. (2012). "Dynamic analysis theory and practice for temperature control and cracking prevention of concrete arch dam." *Yanshilixue Yu Gongcheng Xuebao/Chinese Journal of Rock Mechanics and Engineering* 31(1): 113-122.
- Fu, S., C. Zhu, et al. (2012). Study on composite model for vibro-replacement stone column foundation by finite element method. 2011 International Conference on Applied Mechanics, Materials and Manufacturing, ICAMMM 2011, November 18, 2011 - November 20, 2011, Shenzhen, China, Trans Tech Publications.
- Huang, Z., S. Fu, et al. (2011). Study on proposed value of catanchor coefficient for large prestressed pier. 2011 International Conference on Civil Engineering and Transportation, ICCET 2011, October 14, 2011 - October 16, 2011, Jinan, China, Trans Tech Publications.
- Xue, L., H. Zhigen, S. Fu, et al. (2012). Simulation feedback analysis of III1-III1 slope at left bank of jinping I hydropower station during the construction period. 2012 International Conference on Civil, Architectural and Hydraulic Engineering, ICCAHE 2012, August 10, 2012 - August 12, 2012, Zhangjiajie, China, Trans Tech Publications.
- Luo, T.; Ooi, E.T.; Chan, A.H.C.; Fu, S.J. (2017) The combined scaled boundary finite-discrete element method: Grain breakage modelling in cohesion-less granular media[J]. *Computers and Geotechnics*, 2017, 88 (8) :199-221
- Luo, T.; Ooi, E.T.; Chan, A.H.C.; Fu, S.J. (2017) Modeling the particle breakage by using combined DEM and SBFEM[A] *Springer Proceedings in Physics*, v 188, p 281-288, 2017, Proceedings of the 7th International Conference on Discrete Element Methods
- Han YH, Fu, SJ, Wang SF, et al (2018) . Study on Adiabatic Temperature Rise Reflecting Hydration Degree of Concrete [J]. *Advances in Materials Science and Engineering*, 2018.10:1155

Awards & Scholarships

- Science and Technology Progress Award (Second Class) in 2002, Hubei Province
- Science and Technology Progress Award (Second Class) in 2012, Yunnan Province
- National Teaching Achievement Award (Second Class) in 2014, Ministry of Education of the People's Republic of China