

	Name: Liu Xinghong	<b>sex:</b> female
	Date of Birth: DEC 4,1979	Site of Birth: Hubei
	TEL:+86 02768773778 /13627236337	email:liuxhphd@163.com
	NAME &ADDRESS OF University : school of civil engineering in Wuhan University ; 8 Donghu South Road, Wuhan, Hubei Province, 430072, P.R.China	

### Education & Research Experience

- 1999.9-2003.6 Bachelor in hydroelectric power engineering from Wuhan University, Wuhan  
 2007.9-2008.9 Visiting student in civil engineering from ETH, Zurich  
 2003.9-2008.9 Doctor in Hydraulic Structure Engineering from Wuhan University, Wuhan  
 2008.9-2011.11 Lecturer in the school of civil engineering in Wuhan University, Wuhan  
 2011.12-Present Associate professor in the school of civil engineering in Wuhan University, Wuhan

### Research & Interest:

1. engineering project management
2. numerical analysis of the mass concrete temperature control
3. concrete structure reliability analysis and risk assessment

### Situation of Teaching

1. civil engineering construction
2. engineering economy
3. project quality management

### Projects:

1. Youth science fund project of national natural science fund (50909078) : mass concrete temperature crack evolution mechanism research based on the extension of meshless method, 2010.1-2012.12
2. Key project of national natural science funds (50839004) sub-topic : heavy rain induced landslide disaster mechanism, risk assessment and mitigation methods, 2009.01-2012.12
3. General project of national natural science funds (51579192): mass concrete temperature crack evolution mechanism with the continuous and discrete coupling analysis,2016.1-2019.12
4. 3D finite element research considering RCC layers of SanLiPing hydropower station RCC double-curved arch dam 2013.1-2015.6
5. present situation and the development countermeasure research on Hubei province ready-mixed concrete industry 2014.9-2015.12
6. Dynamic simulation of temperature control measures for Arch dam construction of DaGangshan hydropower plant on Dadu river 2010.1-2015.12

### Representative Results:

1. Xinghong Liu; Chao Zhang; Xiaolin Chang; Wei Zhou; Yonggang, Chen; Yin Duan, Precise Simulation Analysis of Thermal Field in Mass Concrete with Pipe Water Cooling System, Applied Thermal Engineering, 78 (2015) 449-459.
2. Jing Xiangyang; Liu Xinghong; Zhou Wei;Chang Xiaolin, Real-Time Temperature Control for High Arch Dam

Based on Decision Support System, Trans.Tianjin Univ, 20(2), pp 118-125, 2014.

3. Chang Xiao-lin;Zhou Wei;Lai Guowei;Liu Xinggong, High concrete dam structure safety and optimization theory and application, China water conservancy and hydropower press, 2014/12.

4. Liu Xing-hong; Duan, Yin; Zhou Wei; Chang Xiaolin, Modeling the Piped Water Cooling of a Concrete Dam Using the Heat-Fluid Coupling Method, Journal of Engineering Mechanics, 139(9), pp 1278-1289, 2013/9/1.

5. Duan Yin; Liu Xinghong; Chang Xiaolin, Theory of temperature dynamic control in arch dams and its application, Advanced Materials Research, VOL.594-597, pp 738-741, 2012/10

6.Chang XiaoLin; Liu Xinghong; Zhou Wei, Hydropower in China at present and its further development, Energy, 35(11), pp 4400-4406, 2010/11.

#### **Honors & Award:**

1. Higher school science outstanding achievement award - science and technology progress first prize: macro-mesoscopic mechanics characteristics of granule material in high rockfill dams and engineering application, 2015
2. Hubei province scientific and technological progress first prize: high concrete dam structure safety and optimization theory and engineering application, 2009