

## CURRICULUM VITAE: Dr. Xuan Liu



**Xuan Liu** (1980) is a permanent research staff at China Research Institute for Science Popularization (CRISP). She was trained in Computer Science for BA degree and Media & Communication for MA degree. She received a Ph.D degree in Management Science and Engineering from University of Science and Technology of China (USTC) in 2010. During her doctorate study, she was a visiting Ph.D at London School of Economics and Political Science (LSE) from 2008 to 2009 with a scholarship grant by Ministry of Education.

After graduate from USTC, she joined CRISP as a postdoctoral fellow, and became a permanent research staff in 2012. Her research interests are in the study on public understanding of science, science communication theory and practice and science communication policies. She has accomplished and participated in a number of research projects granted by National Science Foundation of China (NSFC), Ministry of Science and Technology (MOST) and China Association for Science and Technology (CAST). Her research has been widely published in leading journals and

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reports.

Xuan Liu was very active in international collaboration and exchange work between CRISP and international partners. She is the contact and coordinator of CRISP-LSE collaboration project, and CRISP-UMich Collaboration project. She was one of the China experts in the EU-India project *Mapping Cultural Authority of Science* (MACAS) (funded by ESRC-DFG-ISSRC, 2012-2015). She is a member of Asian Network for Public Opinion Research (ANPOR) and an independent speaker in the Scientific Committee of "Science&You2015". She is passionate and ready to contribute more to promote research and collaboration across culture and social contexts in public science and technology communication field.

### **Research Interests:**

- Public Understanding of Science: science culture, scientific literacy, science in society;
- Social Context Research in Science Communication: international comparison research;
- Scientists outreach and the public engagement: science innovation and science communication;
- Science Communication Media Index: Media monitoring, Science media analysis.

### **Achievements in international Academic Activities:**

1. Contributed to the application and accomplishment of international academic exchanges and cooperation projects:

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- CRISP-LSE Research Project (Parties: CRISP, LSE; 2010-2015)
- CRISP-UMich Research Project (Parties: CRISP, University of Michigan; 2010-2015)
- MOU of CRISP and EU Delegations (Parties: CRISP, Science, Technology and Environment section in Delegation of the European Union to China)

### **2. Organized a number of international and domestic seminars, forums and symposiums:**

- The 1<sup>st</sup> China, Korea and Japan Round Table Meeting on Science Culture (April, 2011)

Relevant Institutions: CAST, JST, KOFAC, NSF, CRISP

- The 75th Shuangqing Forum (June, 2012)

Relevant Institutions: CAST, NSFC, CAS, CRISP, ITER Organization

- The 19th National Conference on the Theoretical Study of Science Popularization and the 2012 International Forum on Science Communication in Asian and Pacific Rim Countries (August, 2012)

Relevant Institutions: CAST, CRISP, KOFAC, CAPES, BPPT, University of Quebec, University of Tsukuba, University of Otago, Local Associations for Science and Technology in China

- The 18th National Conference on the Theoretical Study of Science Popularization (September, 2011)

Relevant Institutions: CAST, CRISP, LSE, University of Michigan, NISTADS, University of Tsukuba

### **3. Represented CRISP and CAST at international events**

- PCST-12 conference, Florence, Italy.
- PCST-SCANZ symposium, Christchurch, New Zealand.
- The 1<sup>st</sup> ANPOR(Asian Network for Public Opinion Research) annual

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conference, Seoul, Korean.

- The 2<sup>nd</sup> “Science&You 2015” Scientific Committee meeting, Metz, France.

### **Key members of following projects:**

- The 8th Civic Scientific Literacy Survey (2010-2011 funded by CAST)
- Popular science industry policy system research (2011-2012 funded by MOF)
- Empirical research on Social group formation and influencing factors from PUS perspective: Comparison study between EU and China (2011-2012, funded by Postdoctoral Foundation of China)
- Studies on Combining Scientific Research and Science Communication in National Projects: Policy, Strategy and Mechanism (2012-2013 led by the State Council)
- Role and working mechanism of Chinese scientists during emergencies(2012-2013, funded by CAST)
- Research on the Interaction between Science Communication and Basic Scientific Research (2012-2013 funded by NSFC)
- The 2013 pilot survey of China Civic Scientific Literacy (2013-2014 funded by CAST)

### **Recent Publication:**

#### *Papers&Book Chapters:*

1. Cheng Donghong, Xuan Liu, Ren Jie; Social Context of Science Communication: Local Science Communication Strategy; *the 2nd “Science&You2015” Scientific Committee Conference Booklet*, Metz. France, 2014.

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2. Xuan Liu, Tang Shukun, Martin Bauer; Comparing the public understanding of science across China and Europe; *The culture of science – how does the public relate to science across the globe*, NY, Routledge, 2011.

3. Ren Fujun, Xuan Liu; Construction of PUS index in China-An Empirical Study on the database of China 2010 Civic Science Literacy Survey, *12th International Conference on PCST*, 2012 Italy.

4. Xuan Liu, Zhang Yizhong, Li Zhaohui; Role of Chinese Scientists in important emergencies; *PICMET'12 conference proceeding (EI)*

5. Xuan Liu, Xu Lixin, Yin Lin, Wu Dan; Popular Science Industry Development in China: Opportunity and Challenges in the Context of New Information Technology Booming, *2013 Proceedings of PICMET '13: Technology Management for Emerging Technologies (EI)*, P148-152.

6. Ren Fujun, Xuan Liu, Dang Weilong; A Study on the Science Communication Models of Response to Disaster Threats with Examples from China, *2013 Proceedings of PICMET '13 (EI): Technology Management for Emerging Technologies*, P139-142.

7. Liang Qi, Xuan Liu, Ren Fujun; Studies on Scientists Engagement in Public Outreach in China: Motivations, Impediments and Countermeasures; *2013 Proceedings of PICMET '13: Technology Management for Emerging Technologies (EI)*, P143-147.

8. Ren Fujun, Xuan Liu; Chinese Scientists Engagement in Emergency Response and Emergency Science Popularization, *2013 Proceedings of ANPOR annual conference: Knowing Our Neighbors: Public Opinion Research in Asia in a Time of Media, Revolution and Aging Societies*, p391-396

9. Xuan Liu, Zhang Yizhong, Motivation and technical design for the

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scientists' collaboration system during emergencies. *2011 Annual Conference for National Science Popularization Capacity Construction*, Guangzhou.

10. Xuan Liu, Zhang Xiangping, Chen Ling; Science Communication Issues in Scientific Foundation Management, *China Science Foundation* 2012(6).

11. Dang WeiLong, Xuan Liu; Introduction on UK and US popular science awards, *Science & Technology Review*, 2012.6:11.

12. Ren Fujun, Xuan Liu; Modeling Science Culture Index in China, *the 11<sup>th</sup> Annual Conference of Institute of science and technology index*, 2011.Xiamen

13. Ren Fujun, Zhang Yizhong, Xuan Liu; Research on Popular Science Industry Development, *Science Popularization*, 2012(6)

14. Zhang Xiangping, Xuan Liu, Liang Qi; Science Communication Strategy and Policy in National Innovation System: A Case Study on RCUK practice, *Science Popularization*, 2012(1)

15. Liang Qi, Xuan Liu; Relative Policies and Implementation Path of Science Communication in National Scientific Research Projects: A Case Study on the NASA Office of Space Science Education and Public Outreach Program, *Forum on Science and Technology in China*, 2013(5), p149-154

### *Reports:*

- Report on Chinese Civic Scientific Literacy (Volume I, II), Popular Science Press

- Special report: Suggestions on Promoting Combination of Scientific Research and Science Communication, Establishing and Improving National Innovation System (quoted in the document of Deepening the

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Reform of Science and Technology System, and Speeding up the Construction of National Innovation System by General Office of the State Council in 2012)