

# Fuxing WANG

Date of birth: 8 December 1985

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## Work experience:

### 11/2016-08/2018: Postdoctoral

École Polytechnique, Université Pierre et Marie Curie, Laboratoire de Météorologie Dynamique/IPSL/CNRS, France

- Development of high resolution river discharge data by data fusion of observations and model simulations.
- Development of parallel computing (MPI/OMP) of numerical hydrological model
- Trend and uncertainty analysis, data visualization.
- Development, test and evaluation of new physical processes in IPSL global numerical climate model
- Coupling of global atmosphere-land model, land-atmosphere feedback study
- Development of soil heat and water transfer processes in a global hydrological model

09/2007-10/2012: PhD Dalian University of Technology, China (3 years); University of Tokyo, Japan (2 years)

- Evaluate the applicability of Global Land Data Assimilation System for basin water cycle studies using remote sensing data, in-situ observation data, reanalysis data, and model simulations.
- Study attribution of diurnal temperature change over last 50 years using regressions analysis and significant test
- Developing a water resources management system by coupling optimization scheme (shuffled complex evolution optimization method), numerical weather prediction and hydrological model

## Education:

09/2007-10/2012: Dalian University of Technology. China. PhD (Hydrology).

10/2009-09/2011: The University of Tokyo. Japan. PhD exchange (Hydrology).

09/2003-07/2007: Chang'an University. Xi'an, China. Bachelor of engineering (Hydrology).

## Information technology and languages:

*Program:* Fortran, Python, Matlab, R, Shell, C, Java, SQL, Parallel (MPI, OpenMP), subversion, VBA.

*System:* Microsoft Windows, Linux

*Others:* High Performance Computing, ArcGIS, GrADS, CDO/NCO, Excel/Word, Visual Studio.

*Languages:* Chinese (mother tongue), English (advanced), French and Japanese (intermediate)

## Scientific publications/conferences/review/teaching:

- Seven first author and six coauthor publications: <http://www.lmd.jussieu.fr/~fwang/publications.html>
- Twelve Oral/poster presentations at international conferences (Asia, Canada, EU, UK).
- Review eight English scientific articles.
- Course tutoring: hydrology and water resources (12 hours, 2017, École Polytechnique)

## Awards/scholarship:

- Outstanding undergraduate college graduates of Shaan'xi Province, China (2007)
- Chinese national scholarship for excellent students (2004)