Peng Wang (Koby)

Professor,

Beihang University

37 Xueyuan Road, Beijing, China

wang.peng@buaa.edu.cn, wang.peng@outlook.com

Research Interest

- **Uncertainty Quantification:** *flow and transport in porous media*, *multiphase flows*, *material informatics*, *solar energy forecast*.
- **Stochastic Computing:** *generalized polynomial chaos expansion*, *inverse modeling*, *data assimilations*, *methods of distribution, reduced order model*.

Education

- 2007/09 - 2011/06 **Ph. D. in Engineering Science with specialty in Computational Science**, *Department of Mechanical and Aerospace Engineering, the University of California, San Diego*.
- 2007/09 - 2010/06 **M. Sc. in Engineering Science with Mechanical Engineering**, *Department of Mechanical and Aerospace Engineering, the University of California, San Diego*.
- 2003/10 - 2007/06 **M. Eng. in Mechanical Engineering (1st Class Honor)**, *School of Engineering, Durham University*.

Work Experience

- 2014/03 - tenure **Professor**, *Beihang University, China*.
- 2013/04 - 2013/12 **Staff Scientist**, *Computational Mathematics Group, Pacific Northwest National Laboratory, U.S.A.*
- 2011/08 - 2013/04 **Postdoctoral Researcher**, *Computational Mathematics Group, Pacific Northwest National Laboratory, U.S.A.*
- 2002/08 - 2003/08 **Teaching Fellow**, *Oundle School, U.K.*

Professional Activities

- 2019 - now **Associate (Lead) Editor/Editorial Board,** *Journal of Machine Learning for Modeling and Computing.*
- 2015 - now **Member of Editorial Board**, *International Journal for uncertainty quantification.*
- 2014 - now **Member**, *China Society of Industrial and Applied Mathematics.*
- 2011 - now **Member**, *American Society of Industrial and Applied Mathematics.*
- 2009 - now **Membe**r, *American Geophysical Union.*

Books

- **P. Wang** and D. Xiu, *Introduction to Uncertainty Quantification*, China Science Publishing & Media, 2019 (in Chinese)，*ISBN：9787030594723*