

Skill Sets

- **Language skill:** fluent in English, native speaker in Chinese, fluent in Japanese.
- **Programing Skill:** Fortran, C, and C++.
- **Research Skill:** Biomedical Engineering, Numerical Simulation, Computational Fluid Dynamics, Mathematical Modelling, Silicone Moulding, 3D Printing, Medical Image Processing.

Education

Sept. 2017 – Now	<i>Department of Biomedical Engineering, School of Imaging Science and Biomedical Engineering, Faculty of Life Science and Medicine, King's College London, United Kingdom</i> PhD of Engineering: Specialty of Computational Modelling
Apr.2017 – Sep. 2017	<i>Advanced Preventive Medicine Course, Graduate School of Medical and Pharmaceutical Sciences, Chiba University, Japan</i> PhD of Medicine: Specialty of Environment Contaminants and Children's Health
Apr.2015 – Mar. 2017	<i>Dept. of Mechanical Engineering, Artificial Systems Science, Graduate School of Engineering, Chiba University, Japan</i> Master of Engineering: Specialty of Biomedical Engineering
Apr. 2011 – Mar. 2015	<i>Dept. of Mechanical Engineering, Chiba University, Japan</i> Bachelor of Engineering: Specialty of Biomedical Engineering GPA: 3.5/4.0; RANK: Graduated 1st of among 100 students in the Department of Mechanical Engineering.

Internship

Feb. 2014 – Apr.2014	<i>Writer for a science magazine for high school students & teaching assistant in a science class for elementary school students, Leave A Nest, Japan (http://lne.st)</i>
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Translation Work Experience

June 2017	<i>Translate printer catalogue (Chinese to Japanese) (freelance)</i>
June 2017	<i>Translate webpages (Chinese to Japanese) (freelance)</i>
Oct. 2016 – Nov. 2016	<i>Medical translator (Chinese to Japanese) (freelance)</i>
Oct. 2016	<i>Translate funding proposal for a scientific project (Chinese to Japanese) (freelance)</i>
Aug. 2016 – Nov. 2016	<i>Translator in exhibitions (Chinese to Japanese, English to Japanese) working for Spacerise co. in Japan</i>
Oct. 2015	<i>Translate funding proposal for a scientific project (Chinese to Japanese) (freelance)</i>
May 2015 – Aug. 2017	<i>Tour guide and translator working for B-cause inc. in Japan (among Chinese, Japanese, and English)</i>

Publication Lists

Journal Papers:

1. **Weiwei Jin**, Masae Otake, Akifumi Eguchi, Kenichi Sakurai, Hiroko Nakaoka, Masahiro Watanabe, Emiko Todaka, Chisato Mori, Dietary Habits and Cooking Methods Could Reduce Avoidable Exposure to PCBs in Maternal and Cord Serum, **Scientific Reports**, 2017
2. **Weiwei JIN**, Fuyou LIANG, Liu HAO, Hemodynamic response to exercise in supine and standing attitude: an integrated model, *Journal of Biomechanical Science and Engineering*, 2016 (https://www.jstage.jst.go.jp/article/jbse/11/1/11_15-00523/_pdf)
3. Kaoru MATSUURA, **Weiwei JIN**, Hao LIU, Goro MATSUMIYA, Computational fluid dynamic study of different incision length of coronary artery bypass grafting in a native coronary stenosis model, *Journal of Thoracic Disease*, 2019
4. Kaoru MATSUURA, **Weiwei JIN**, Hao LIU, Goro MATSUMIYA, Computational fluid dynamics study of the end-side and sequential coronary artery bypass anastomoses in a native coronary occlusion model, *Interactive Cardiovascular and Thoracic Surgery*, 2017

Conference Papers:

1. **Weiwei JIN**, Phil CHOWIENCZYK, Jordi ALASTRUEY, Why flow mediated dilation fails to assess true endothelial cell function? A computational based investigation, **ARTERY19**, Budapest, Hungary (Young Investigator Award Oral Session).
2. **Weiwei JIN**, Phil CHOWIENCZYK, Jordi ALASTRUEY, A Systemic Comparison between 1-D and 3-D Haemodynamics in Diseased Arterial Models, **6th International Conference on Computational and Mathematical Biomedical Engineering – CMBE2019**, Sendai, Japan (Peer-reviewed oral presentation).
3. **Weiwei JIN**, Phil CHOWIENCZYK, Jordi ALASTRUEY, The effect of confounding factors on flow mediated dilation: a novel computational study using one-dimensional blood flow modelling, The 14th international symposium in Biomechanics in Vascular Biology and Cardiovascular Disease, London, UK.
4. **Weiwei JIN**, Phil CHOWIENCZYK, Jordi ALASTRUEY, A computational investigation of confounding factors affecting flow mediated dilation: Towards improved endothelial function assessment, **ARTERY18**, Guimaraes, Portugal.
5. **Weiwei JIN**, Phil CHOWIENCZYK, Jordi ALASTRUEY, A computational based analysis of flow mediated dilation: Towards improved endothelial function assessment, **BioMedEng2018**, London, UK.
6. **Weiwei JIN**, Phil CHOWIENCZYK, Jordi ALASTRUEY, Understanding the role of blood pressure, wall shear stress and arterial wall stiffness in flow mediated dilation: A computational and in-vivo study, **8th World Congress of Biomechanics**, Dublin, Ireland.
7. Chisato MORI, **Weiwei JIN**, Akifumi EGUCHI, Masahiro WATANABE, Masae OTAKE, Kenichi SAKURAI, Emiko TODAKA, Relationship between serum PCB levels and dietary habit data from brief-type self-administered diet history questionnaire in primipara participants from C-MACH cohort, Japan, **Dioxin 2017**, Vancouver, Canada.
8. **Weiwei JIN**, Akifumi EGUCHI, Masae OTAKE, Masahiro WATANABE, Hiroko NAKAOKA, Kenichi SAKURAI, Emiko TODAKA, Chisato MORI, Diet and cooking methods could change the PCB levels in human, **The Annual Conference of the Japanese Society of Clinical Ecology 2017**.
9. **Weiwei JIN**, Kaoru MATSUURA, Gorou MATSUMIYA, Fuyou LIANG, Liu HAO, Aortic stenosis pathology evaluation by coupling cardiovascular and autonomic nervous systems,

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- Biomedical Engineering Conference of Japanese Society of Mechanical Engineering 2017
10. **Weiwei JIN**, Fuyou LIANG, Liu HAO, Evaluation of Cardiac Function in Patients during Exercise by Coupling Cardiovascular and Autonomic Nervous Systems, The Annual Conference of Japanese Society of Mechanical Engineering 2016
 11. **Weiwei JIN**, Fuyou LIANG, Liu HAO, Assessing Hemodynamic Response to Exercise for Patient with Left Ventricular Hypertrophy by Integrating Cardiovascular and Autonomic Nervous Systems, Summer Biomechanics, Bioengineering and Biotransport Conference 2016 (National Harbor, MD, USA)
 12. **Weiwei JIN**, Fuyou LIANG, Liu HAO, Evaluation of Heart Disease Functions during One-leg Exercise through Coupling Cardiovascular System and Autonomic Nervous System, Biomedical Engineering Conference of Japanese Society of Mechanical Engineering 2016
 13. **Weiwei JIN**, Fuyou LIANG, Liu HAO, Simulation of the Cardiovascular Autonomic Functions: Integrating the Cardiovascular System and the Autonomic Nervous System, The 8th Asian-Pacific Conference on Biomechanics 2015 (Sapporo, Japan)
 14. **Weiwei JIN**, Fuyou LIANG, Liu HAO, A Computational Auto-Regulation System: Integrative Simulation of the Cardiovascular System and the Autonomic Nervous System, The Annual Conference of Japanese Society of Mechanical Engineering 2015
 15. **Weiwei JIN**, Fuyou LIANG, Liu HAO, On the influence of initial conditions on wave propagation simulation in the cardiovascular system, Graduation Presentation Conference The Japanese Society of Mechanical Engineering Kanto Branch, 2015
 16. **Weiwei JIN**, Fuyou LIANG, Liu HAO, On the uncertainty of simulation-based prediction of pulse wave propagation in the cardiovascular system, Biomedical Engineering Conference of Japanese Society of Mechanical Engineering 2015

Referee List

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