Huijie Wu
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Address: C2649 Lafferre Hall, University of Missouri, Columbia, Missouri, United States

Education

University of Missouri-Columbia 08/2019-now
- **Position:** Ph.D. student
- **Major: Civil & Environmental Engineering** **GPA:** 3.925/4
- **Supervisor: BinBin Wang**

Beihang University 09/2015- 03/2018
- **Degree:** Master of Engineering Obtained in June 2018
- **Major:** Power Engineering and Engineering Thermophysics **GPA:** 88.45/100 **Rank:** 8/84
- **Graduation Design Program: Experimental investigation on flow characteristics of the smooth rotating channel**
- **Supervisor: Zhi Tao**

Nanjing University of Aeronautics and Astronautics 06/2011-06/2015
- **Degree:** Bachelor of Engineering Obtained in June 2015
- **Major:** Heat Energy and Power Engineering **GPA:** 90/100 **Rank:** Top 2/60
- **Graduation Design Program: Effusion cooled flame tube flow characteristics and cooling effects research**
- **Supervisor: Honghu Ji**

Publications

- **Huijie Wu**, Binbin Wang, Steven F.Dimarco, Lei Tan, Impact of bubble size on turbulent statistics in bubble plumes in unstratied quiescent water, International Journal of Multiphase Flow, to be accepted.
- Binbin Wang, **Huijie Wu**, Xiu-feng Wan. Transport and fate of human expiratory droplets-A modelling approach, Physics of Fluids, Volume 32, August 2020, 083307.
- Geng Li, Binbin Wang, **Huijie Wu**, Steven F. DiMarco. Impact of bubble size on the integral characteristics of bubble plumes in quiescent and unstratified water, International Journal of Multiphase Flow, Volume 125, April 2020, 103230.
- Tao Zhi, **Huijie Wu**, Li Haiwang, Wei Kuan, You Ruquan. Turbulent characteristics and rotation correction of wall function in rotating channel with high local rotation parameter, Chinese Journal of Aeronautics, Volume 31, October 2018, Pages 1985-1999.
- Zhi Tao, **Huijie Wu**, Haiwang Li, Ruquan You, Gangfu Li. Rotation correction of wall function and velocity structure under the couple effects of buoyancy force and rotating effects at the entry section of the smooth straight channel, International Journal of Heat and Fluid flow, Volume 78, August 2019.
- Kuan Wei, Zhi Tao, **Huijie Wu**, Guoqiang Xu, Haiwang Li, Ruquan You. Interaction between the primary flow fields and the secondary flow fields under rotating condition, Experimental Thermal and Fluid Science, Volume 84, June 2017, Pages 217-230

Honors&Awards

- Departmental graduate fellowship of University of Missouri-Columbia 2019~2020
- Excellent graduate of Beihang University 05/2018
- 2nd class Academic Scholarship of Beihang University 09/2015. 09/2016
- 1st scholarship for outstanding students, Nanjing University of Aeronautics and Astronautics 11/2013, 11/2014
- National Scholarship, Nanjing University of Aeronautics and Astronautics 11/2013
- 2nd prize in 8th "Xihang Power" Creative Design Competition of Fluid Mechanics 11/2013
- 3rd prize in the 9th National Zhou Peiyuan Competition on Mechanics 08/2013
- 3rd prize in the 1st Mechanics Competition of Nanjing University of Aeronautics and Astronautics 04/2013

Presentation

- 2020 Annual Mid-American Environmental Engineering Conference 10/2020
  Title: Impact of bubble size on the turbulent statistics in bubble plumes in unstratified quiescent water

Volunteer Activities

- Volunteer of 2020 Gulf of Mexico Oil Spill & Ecosystem Science Conference 02/2020
- Volunteer of the ISJPPE (The international Symposium on Jet Propulsion and Power Engineering) 10/2018
- Volunteer of the Second Asian Youth Games 08/2013