



南京理工大学

NANJING UNIVERSITY OF SCIENCE & TECHNOLOGY

RESUME

Name: Guodan Dong (Lisa Dong)

Telephone: (+86) 15651781560

E-mail : luckydgdnew@gmail.com;
2425611599@qq.com;

Gender: Female

GPA: 3.35/4.0 (Bachelor)

4.0/4.0 (Master)

Institution: Nanjing University of Science and Technology (NJUST)

Address: 200 Xiaolingwei St., Nanjing, Jiangsu, CN 210094

Education

- *Bachelor of safety engineering (2012.9 - 2016.6)*

GPA: 3.28/4

Major in: Chemistry.

Department of Safety Engineering,

School of Chemical Engineering

Nanjing University of Science & Technology

- Master candidate (2017.9 - now)

GPA: 4/4

Major in: Fluid Mechanics

National Key Laboratory of Transient Physics

Nanjing University of Science & Technology

Research Fields

- Richtmyer-Meshkov instability
- MHD control
- Shock waves interaction
- Fluid Mechanics

Skills

- Languages: English (IELTS: 6.0; GRE: in preparing); Chinese
- Computer languages:

C++: Knowing some fundamental skills. *Athena++*, a C++ based open source software, is the software that I learn during my master degree. By using this software, I have published two papers.

Python: I can use python to solve some easy partial differential equations; *PyDMD*, is also an open source software, with which I learn the Dynamic Mode Decomposition (DMD) and use



DMD in my fields of research.

- Commercial Software: *Fluent* and *ICEM*. I have one-year experience of using them in Fluid Mechanics
- Sports: one of the players of class volleyball and football team
- Lessons learned: Advanced Fluid Mechanics; Computation Fluid Dynamic;
Lessons concerning mathematics, computers,

Experience

- 2012: Participated in student union and Youth League Committee.
- 2013: Did part-time job such as salesman, family tutor, a temperate teacher.
- 2014: Metalworking practice in my school, be an intern student in some companies with my classmates and teachers.
- 2015-2016: Take part in postgraduate examination
- 2017- 2018: Graduate student

Awards

- 2012-2013: The third Prize Scholarship and the first class prize for volleyball game as a number of the team.
- 2013-2016: The Second and Third Prize Scholarship (Multiply Times).
- 2014: reward as a Social activity activist.
- 2017-2018: The First Prize Scholarship (Multiply Times).

Papers

- Dong Guodan, Zhang Huanhao, Lin Zhenya, Qin Jianhua, Chen Zhihua. Numerical investigation of the interaction between shock waves and triangular cylinders in the presence of a magnetic field[J]. Acta Physica Sinica, 2018, 67(20). DOI: 10.7498/aps.67.20181127
- Qin Jianhua, Jiang Xiaohai, Dong Guodan, Guo Zeqing, Chen Zhihua and Yiannis Andreopoulos. Numerical investigation on vortex dipole interacting with concave wall of different curvature[J]. Fluid Dynamics Research, 2018, 50(04): 5508. DOI :10.1088/1873-7005/aac59c
- Dong Guodan, Zhang Huanhao, Qin Jianhua, Lin Zhenya, Chen Zhihua. The Richmyer-Meshkov instability in a square cylinder under a tranverse magnetic field. 1st International Conference of Defence Technology, 2018.
- Qin Jianhua, Yiannis Andreopoulos, Jiang Xiaohai, Dong Guodan and Chen Zhihua. Combining immersed boundary Lattice Boltzmann method and finite element method to simulate the fluid-structure interactions and the corresponding DMD analysis. (Writing)