

# Wei BIAN (Jiahao ZHAO, Zheng YOU) 2020 at HKUST, Micro Fluent Devices



## ► Education History

- 2007-2011, Beijing Jiaotong University, MECE<sup>1</sup>, Bachelor
- 2011-2014, Tsinghua University, SIC<sup>2</sup>, Master
- 2014-2020, Tsinghua University, DPI<sup>3</sup>, PHD

## ► Thesis Topics

- Research on Processes and Devices based on PTFE Electret (Master, 2011)
- Research on Electrostatic Actuated In-plane bistable MEMS Switch (PHD, 2020)

## ► Publications

- BIAN, Wei; ZHAO, Jiahao; YOU, Zheng. An approach of inertial generated timing sequence for bi-stable MEMS switches. *Journal of Microelectromechanical Systems*, 2019, 28.4: 572-574.
- BIAN, Wei; ZHAO, Jiahao; YOU, Zheng. Low voltage, high speed and small area in-plane MEMS switch. *Journal of Micromechanics and Microengineering*, 2019, 29.6: 065014.
- BIAN, Wei, et al. A restoring force boosting structure with flexible stiction recovery electrode for MEMS relays/switches. In: *2019 IEEE 32nd International Conference on Micro Electro Mechanical Systems (MEMS)*. IEEE, 2019. p. 986-989.
- BIAN, Wei; WU, Xiaoming; WANG, Xiaohong. A novel electret rotational speed sensor. In: *2014 IEEE 27th International Conference on Micro Electro Mechanical Systems (MEMS)*. IEEE, 2014. p. 684-687.
- Etc.,

## ► Hobbies

**Wei is interested in a lot of sports, such as tennis and running. He also likes amazing food especially enjoying barbecue in his home of Ta Po Tsai.**

1: MECE is short for School of Mechanical, Electronic and Control Engineering

2: SIC is short for School of Integrated Circuits

3: DPI is short for Department of Precision Instruments