Cheng Group Progress in 2019

Peer-reviewed Papers:
In 2019, we have 16 peer-reviewed articles published or accepted, including two in Science Advances, two in Nature Communications, one in Light S&A, one in Advanced Science.

Fellowships and Awards:
Ji-Xin Cheng: Ellis R. Lippincott Award, by OSA, Society for Applied Spectroscopy, Coblentz Society
Jie Hui: SPIE-Franz Hillenkamp Postdoctoral Fellowship (2019~2020)
Tiffany Yang-Tran: UROP award
Ketan Gupta: UROP award
Kostas Mavrakis: Fulbright Scholar (2019 to 2020)
Ji-Xin Cheng: Associate Editor of Science Advances (from Jan 2020)

New Grants Received:
NSF SBIR, phase 2, Acoustar, subcontract from Vibronix Inc
NIH STTR, phase 2, Photothermal IR, subcontract from Photothermal Spec Corp.
Boston University Ignition Award
Industrial Grant from Daylight Solutions

Career Advancement:
1. Dr Delong Zhang: Faculty at Zhejiang University, starting summer 2019
2. Dr Hyeon Jeong Lee: Faculty at Zhejiang University, starting Sept 2019
3. Dr Max Deng: Joined liquidinstruments, May 2019
4. Dr Junjie Li: Joined Pfizer, Aug 2019
5. Dr Britanni Bungart: graduated as MD PhD, Feb 2019
6. Dr Yeran Bai: graduated as PhD May 2019
7. Dr Lan Lu: graduated as PhD Aug 2019
8. Dr Pu-Ting Dong, graduated as PhD, Dec 2019
9. Dr. Kai-Chih Huang, graduated as PhD, Dec 2019
10. Ms. Yuewei Zhan, graduated as Master of Science, Dec 2019
11. Ms. Xiaojie Li, accomplished visiting scholar, Nov 2019
12. Ms. Minghua Zhege, accomplished visiting scholar, Dec 2019

New Members joined in 2019:
1. Mr. Jiaze Yin (Y1 ECE PhD student)
2. Ms. Hongli Ni (Y1 ECE PhD student)
3. Ms. Xiaowei Ge (Y1 ECE PhD student)
4. Mr. Dashan Dong (visiting PhD student, 2019)
5. Mr. Kostas Mavrakis (University of Crete, Greece)
6. Dr Ziheng Ji (visiting scholar, Sept 2019)
7. Dr Qianjin Guo (visiting scholar, Nov 2019)
8. Dr. Jian Zhao (postdoc, Oct 2019)
9. Ms. Jiabao Xu (visiting PhD student, Oxford University)
10. Mr. Yurun Xie (visiting PhD student Dalian)

Rotation students: Zhongyue Guo (BME), Mengrui Wang (MMCB), Yilin Zhu (MSE)

Full list of publications in 2019
244. Joon-Suh Park, Shuyan Zhang, Alan She, Wei Ting Chen, Peng Lin, Kerolos M. A. Yousef, Ji-Xin Cheng, Federico Capasso, “All-glass, large metalens at visible wavelength using deep-ultraviolet projection lithography”, Nano Letters, 2019, DOI:10.1021/acs.nanolett.9b03333


235. Yi Zhang, Yingchun Cao, Ji-Xin Cheng, A high-resolution photoacoustic endoscope through beam self-cleaning in a graded index fiber, Optics Letters, 2019, 44, 3841-44.


231. Brittani Bungart, Yingchun Cao, Tiffany Yang-Tran, Shawn Gorsky… Ji -Xin Cheng*, “Cylindrical Illumination with Angular Coupling for Whole-Prostate Photoacoustic Tomography”, Biomedical Optics Express, 2019, 10, 1405-1409.