Yan LIU

| Profii | LE | | | |
|---------------------|--|---|--|---|
| Gender: | | Male | NATIONALITY: | Chinese |
| BIRTH: | | 1984 August | | |
| | MAIL: | yan.liu06@sjtu.edu.cn | Website: | Google |
| Work | EXPER | RIENCE | | |
| 2020.01 | Associa | ate professor, Shanghai Jia | aotong University; | |
| 2020.01 | Parti ing r imple | ate Professor, Shanghai J Teaching in integrated circ cipating research projects esearchers in other China ementation; Supervising o ents; Involve lab and ICT | cuits design, biomedica related to brain-machin , and UK institutes for or Co-Supervising 5 H | l circuits and systems. ne interface; Collabrat- r project planning and |
| 2014.06 -2020.01 | Research Fellow, Imperial College London, UK; Participate research projects including CANDO and iProbe; Design, implement and test CMOS integrated circuits for electro-physiology in- strumentation; Collabrate with research in other UK institutes for project planning and implementation; Supervise or Co-Supervise 1 BEng/Meng 11 MSc, 1 PhD students; Involve lab and ICT managment. | | | |
| 2012.02 -2014.06 | integ tem Supe | ch Associate, Imperial Co Participate research project rated circuits for electro- design for neural signal p rvise or Co-Supervise 1 B agement. | cts NGNI; Design, impl physiology instrument processing and integra | ation; Embedded sys- ted circuit evaluation; |
| Educa | TION - | | | |
| 2008.02 | PhD: I | mperial College London, V | UK | |
| -2012.02 | Thesis | Engineering Robust CM | MOS ISFET Smart Sen | sor Systems |

Investigate characteristics for CMOS-based chemical sensors; Design and test chemical sensors system with readout circuits; Co-Supervise 2 MSc students final projects;

- 2006.09 MSc: Imperial College London, UK
- -2007.09 Analogue and Digital Integrated Circuit Design Thesis project: heart sound processing
- 2002.10 BEng: Zhejiang University China
- -2006.06 Process equipment and control engineering

PUBLICATIONS -

- Author/Co-author 14 peer-reviewed journal publications, including TBCAS/TCAS/JNE, 4 first-authored;
- Author/Co-author 30 peer-reviewed conference publications, including ISCAS/BioCAS/Sensor, 5 first-authored.
- Co-inventor of 10 Granted multi-nation patents.

PROFESSIONAL MEMBERSHIP AND ADMINISTRATION -

| 2020 - | Senior Member of IEEE |
|--------|---|
| 2019 - | Technical committe member IEEE CAS Sensory systems |
| 2018 - | Review committe member IEEE BioCAS |
| 2020 | Session Chair IEEE ISCAS 2020. |
| 2020 | Session Chair IEEE ISICAS 2020. |
| 2018 | Session Chair IEEE BioCAS 2018. (Bio-Inspired & Neuromorphic Circuits and |
| | Systems; Lab-On-Chip Point-of-Care Technologies) |
| 2010 - | Journal paper reviewer for TBCAS, TCASI, TCASII, TEDL, Journal of Sen- |
| | sors, TIM, Sensors and Actuators B |
| 2010 - | Conference paper reviewer for BioCAS, ISCAS |

RESEARCH PROJECTS -

| 2020.10 - 2022.09 | Shanghai Pujiang Fellowship |
|-------------------|---|
| 2020.01 - 2022.12 | Deep brain stimulation for depression; Shanghai Jiaotong University START |
| | project. |
| 2014.06 - 2021.04 | CANDO: Controlling abnormal network dynamics with optogenetics; 10M |
| | GBP, EPSRC+Wellcome. |
| 2012.02 - 2014.06 | NGNI: Next Generation Neural Interface; 517k; EPSRC. |
| 2015.06 - 2018.11 | SENSEBACK: Enabling Technologies for Sensory Feedback in Next-Generation |
| | Assistive Devices; 1.4M GBP; EPSRC. |
| 2013.09 - 2016.09 | IPROBE: In-vivo Platform for the Real-time Observation of Brain Extracellular |
| | activity; 367K GBP; EPSRC. |
| 2013.04 - 2018.11 | I2MOVE: An Intelligent Implantable MOdulator of Vagus nervE function for |
| | treatment of Obesity; 7M EUR; ERC. |

TEACHING AND STUDENTS SUPERVISION -

- Participate lecture and lab supervision including BJT, CMOS Circuit Design and cadence circuits design course;
- Co-supervise 3 PhD student.
- Supervise or Co-supervise 19 master students thesis projects, 3 departmental best students, 10 joint publications.

- Supervise or Co-supervise 3 BEng/MEng final year projects.
- Supervise 5 BEng undergraduate research projects.