

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 committee member IEEE CAS Sensory systems
- 2018 - Review committee 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 Sensors, 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.