

量子信息技术是当今世界前沿科技，也是各国竞相角逐的未来技术制高点，欧盟、美国、英国、德国等西方国家纷纷启动该领域的国家级战略计划。在此背景下，为了解国际上该领域的最新发展动态，推动国内外高层次学术交流，提升我国在该领域的地位和影响力，中国科学院量子信息与量子科技创新研究院将于2019年9月15日至20日在合肥举办“新兴量子技术国际会(International Conference on Emerging Quantum Technology, ICEQT2019)”。本次会议将会有包括诺贝尔物理学奖获得者及沃尔夫物理学奖获得者在内的多位国际知名学者专家参会，并于9月20日举行墨子量子奖颁奖典礼。诚挚邀请国内外专家报名参会，会议网站：iceqt.org。



现将有关事项介绍如下：

一、 大会主题

- Quantum Cryptography
- Quantum Communication
- Quantum Computing
- Quantum Information Theory
- Implementations of Quantum Information Processing and Quantum Simulations (with photons, superconducting qubits, trapped ions, solid states, optical lattices etc.)
- Quantum Photonic Network (quantum repeaters, quantum memory, free space etc.)
- Quantum Measurement
- Quantum Metrology
- Quantum Foundations

二、 大会组织结构

1、 主办单位:

- 中国科学院量子信息与量子科技创新研究院
- 中国科学技术大学合肥微尺度物质科学国家研究中心

2、 顾问委员会

- Immanuel Bloch (Max Planck Institute of Quantum Optics)
- Gilles Brassard (Université de Montréal)
- Ignacio Cirac (Max Planck Institute of Quantum Optics)
- Artur Ekert (University of Oxford)
- James Franson (University of Maryland)
- Nicolas Gisin (Université de Genève)
- Ataç Imamoglu (ETH Zurich)
- Anthony Leggett (University of Illinois at Urbana-Champaign)
- Hoi-Kwong Lo (University of Toronto)
- Jian-Wei Pan (University of Science and Technology of China)
- Gerhard Rempe (Max-Planck-Institute of Quantum Optics)
- Jorg Schmiedmayer (TU Wien)
- Marlan Scully (Texas A&M University)
- Jaw-Shen Tsai (Tokyo University of Science)
- David Wineland (University of Oregon)
- Jörg Wrachtrup (University of Stuttgart)
- Jun Ye (University of Colorado, Boulder)
- Lu Yu (Institute of Physics, CAS)
- Anton Zeilinger (University of Vienna)
- Peter Zoller (University of Innsbruck)

3、 程序委员会

Chair: Jian-Wei Pan (University of Science and Technology of China)

- Xianhui Chen (University of Science and Technology of China)
- Xiankang Dou (Wuhan University / University of Science and Technology of China)
- Jiangfeng Du (University of Science and Technology of China)
- Lu-Ming Duan (Tsinghua University)
- Dong-Lai Feng (Fudan University)
- Qihuang Gong (Peking University)
- Ren-Bao Liu (The Chinese University of Hong Kong)
- Zheng-Tian Lu (University of Science and Technology of China)

- Jian-Yu Wang (Shanghai Institute of Technical Physics, CAS)
- Xiang-Bin Wang (Tsinghua University)
- Xiaoyun Wang (Tsinghua University)
- Peiheng Wu (Nanjing University)
- Chaohui Ye (Wuhan Institute of Physics and Mathematics, CAS)
- Dapeng Yu (Southern University of Science and Technology)
- Fuchun Zhang (University of Chinese Academy of Sciences)
- Weiping Zhang (Shanghai Jiao Tong University)
- Zhenyu Zhang (University of Science and Technology of China)
- Shi-Yao Zhu (Zhejiang University)

4、 组织委员会

Chair: Yi Luo (University of Science and Technology of China)

Co-Chair: Chao-Yang Lu (University of Science and Technology of China)

Co-Chair: Jun Zhang (University of Science and Technology of China)

- Xiao-Hui Bao (University of Science and Technology of China)
- Yu-Ao Chen (University of Science and Technology of China)
- Shengwang Du (The Hong Kong University of Science and Technology)
- Xiao-Song Ma (Nanjing University)
- Xiongfeng Ma (Tsinghua University)
- Zhichuan Niu (Institute of Semiconductors, CAS)
- Haohua Wang (Zhejiang University)
- Lixing You (Shanghai Institute of Microsystem and Information Technology, CAS)
- Man-Hong Yung (Southern University of Science and Technology)
- Yang Yu (Nanjing University)
- Jing Zhang (Shanxi University)
- Qiang Zhang (University of Science and Technology of China)
- Xibo Zhang (Peking University)
- Xiaobo Zhu (University of Science and Technology of China)

三、 会议时间和地点

时间：2019 年 9 月 15-20 日

地点：合肥皇冠假日酒店（蜀山区黄山路 598 号）

四、 会议日程安排

- 2019 年 9 月 15 日：现场注册
- 2019 年 9 月 16 日-19 日：报告
- 2019 年 9 月 18 日下午：Poster Session
- 2019 年 9 月 18 日晚上：晚宴
- 2019 年 9 月 19 日晚上：墨子沙龙科普报告
- 2019 年 9 月 20 日上午：墨子量子奖颁奖典礼

五、 大会报告

1、墨子量子奖获奖报告

- Charles H. Bennett (Thomas J. Watson Research Center, IBM)
- Rainer Blatt (University of Innsbruck)
- Gilles Brassard (Université de Montréal)
- Ignacio Cirac (Max Planck Institute of Quantum Optics)
- David Deutsch (The University of Oxford)
- Artur Ekert (University of Oxford)
- Jian-Wei Pan (University of Science and Technology of China)
- Peter Shor (Massachusetts Institute of Technology)
- Stephen Wiesner
- David J. Wineland (University of Oregon)
- Anton Zeilinger (University of Vienna)
- Peter Zoller (University of Innsbruck)

2、邀请报告

- Romain Alléaume (Télécom ParisTech)
- Mete Atature (University of Cambridge)
- Koji Azuma (NTT Basic Research Laboratories)

- Matthias Christandl (University of Copenhagen)
- Roger Colbeck (University of York)
- Jonathan Dowling (Louisiana State University)
- Jiangfeng Du (University of Science and Technology of China)
- Lu-Ming Duan (Tsinghua University)
- Heng Fan (Institute of Physics, CAS)
- Thomas Jennewein (University of Waterloo)
- Liang Liu (Shanghai Institute of Optics and Fine Mechanics, CAS)
- Chao-Yang Lu (University of Science and Technology of China)
- Zheng-Tian Lu (University of Science and Technology of China)
- Naoto Namekata (Nihon University)
- Axel Pelster (Technische Universität Kaiserslautern)
- Thore Posske (University of Hamburg)
- Armando Rastelli (Johannes Kepler Universität Linz)
- Barry Sanders (University of Calgary)
- Nicolas Sangouard (University of Basel)
- Jörg Schmiedmayer (TU Wien)
- Alexander Streltsov (University of Warsaw)
- Hiroki Takesue (NTT)
- Rupert Ursin (University of Vienna)
- Giuseppe Vallone (University of Padova)
- Jianwei Wang (Peking University)
- Xiang-Bin Wang (Tsinghua University)
- Matthias Weidemüller (Universität Heidelberg)
- Jörg Wrachtrup (University of Stuttgart)
- Guihua Zeng (Shanghai Jiao Tong University)
- Hui Zhai (Tsinghua University)

六、 会议注册

- 注册费：500 美元（3500 人民币）/人
- 注册费（学生）：350 美元（2400 人民币）/人

七、 联系方式

Email: iceqt@ustc.edu.cn

联系电话: 0551-63603633