

Quantum technology (QT) is expected to bring about disruptive innovation (Quantum Leap) in society. MEXT has launched Q-LEAP program (2018-2028) to drive such innovation in the following QT fields; Quantum Metrology & Sensing, Quantum Information Technology, and Next-Generation Laser.

The International Forum on Quantum Metrology & Sensing (IFQMS) promotes international collaborations and new-generation activities for success in this challenging QT field. The 2nd IFQMS in 2019 will provide also a Joint Poster Session with other QT fields for interdisciplinary communication towards cooperative innovations.

**Organized by Ministry of Education, Culture, Sports, Science and Technology (MEXT)
Supported by Cabinet Office (CAO), Ministry of Internal Affairs and Communications (MIC), Ministry of Economy, Trade and Industry (METI)**

Date: December 17 - 18, 2019

Venue: Kyoto Brighton Hotel

Nakadachiuri, Shinmachi-Dori, Kamigyo-ku, Kyoto 602-8071, Japan

<https://www.brightonhotels.co.jp/kyoto/en/>

Program (tentative):

Tue. Dec. 17 14:00 - 15:40 (Registration starts at 13:30) Venue : Room Hanabusa

Opening Remarks Yasuhiko Arakawa (the University of Tokyo)
Opening Talk Mutsuko Hatano (Tokyo Institute of Technology)
Session 1: Invited Lectures
Marco Genovese (Istituto Nazionale di Ricerca Metrologica)
Masahiro Kitagawa (Osaka University)

Tue. Dec. 17 16:00 - 18:00 Venue : Room Reika

Joint Poster Session

Wed. Dec. 18 9:00 - 17:00 Venue : Room Hanabusa

Session 2: Invited Lectures
Gunnar Björk (Royal Institute of Technology (KTH))
Dmitry Budker (Johannes Gutenberg Univ., Mainz & Univ. California, Berkeley)
Christoph Nebel (Kanazawa Univ. & Fraunhofer IAF)
Session 3: Oral Presentations
Takayuki Iwasaki (Tokyo Tech), Ryuji Igarashi (QST)
Session 4: Group Discussion
Session 5: Oral Presentations
Bo Cao (Kyoto Univ.), Fumihiro Kaneda (Tohoku Univ.), Ryosuke Shimizu (UEC)
Closing Remarks Hidemi Ishiuchi (Kioxia Corporation)

Registration fee: Free

Language: English

Maximum participants: 150

Registration form: <https://www.jst.go.jp/kisoken/crest/isqt2019/index.html>

Contact: Q-LEAP HQ Secretariat Email: q.jimu@qleap.titech.ac.jp