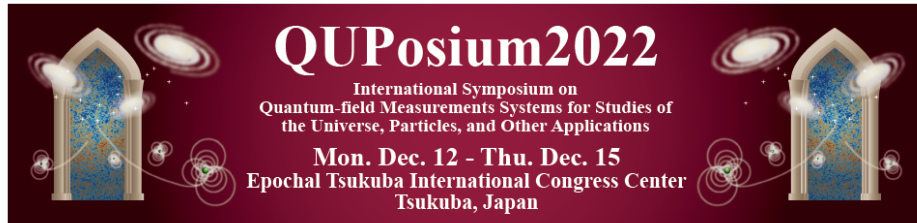


# QUPosium2022



## Report of Contributions

Contribution ID: 1

Type: **not specified**

## Welcome and scope of the symposium

*Tuesday, December 13, 2022 9:50 AM (10 minutes)*

**Presenter:** HAZUMI, Masashi (QUP)

**Session Classification:** Plenary Session

Contribution ID: 2

Type: **not specified**

## Keynote Theory

*Tuesday, December 13, 2022 10:00 AM (50 minutes)*

**Presenter:** MURAYAMA, Hitoshi (Kavli IPMU/UC Berkeley)

**Session Classification:** Plenary Session

Contribution ID: 3

Type: **not specified**

## Keynote Exp

*Tuesday, December 13, 2022 11:00 AM (50 minutes)*

**Presenter:** HOECKER, Andreas (CERN)

**Session Classification:** Plenary Session

Contribution ID: 4

Type: **not specified**

## **Some cutting-edge technologies in neutrino property measurements and proton decay searches**

*Tuesday, December 13, 2022 1:30 PM (50 minutes)*

**Presenter:** ICHIKAWA, Atsuko (Tohoku)

**Session Classification:** Plenary Session

Contribution ID: 5

Type: **not specified**

## Flavor

*Tuesday, December 13, 2022 2:30 PM (50 minutes)*

**Presenter:** GERSHON, Tim (Warwick)

**Session Classification:** Plenary Session

Contribution ID: 6

Type: **not specified**

## **Quantum sensors in search of ultralight dark matter**

*Tuesday, December 13, 2022 4:00 PM (50 minutes)*

**Presenter:** BUDKER, Dmitry (Mainz/UC Berkeley)

**Session Classification:** Plenary Session

Contribution ID: 7

Type: **not specified**

## **Axion DM searches overview**

*Tuesday, December 13, 2022 5:00 PM (50 minutes)*

**Presenter:** SEMERTZIDIS, Yannis (IBS)

**Session Classification:** Plenary Session



Contribution ID: 8

Type: **not specified**

## Keynote Theory

*Wednesday, December 14, 2022 9:00 AM (40 minutes)*

**Presenter:** LINDE, Andrei (Stanford)

**Session Classification:** Plenary Session

Contribution ID: 9

Type: **not specified**

## Keynote Exp

*Wednesday, December 14, 2022 9:50 AM (40 minutes)*

**Presenter:** STAGGS, Suzanne (Princeton)

**Session Classification:** Plenary Session

Contribution ID: **10**

Type: **not specified**

## **JWST**

*Wednesday, December 14, 2022 10:40 AM (40 minutes)*

**Presenter:** EGAMI, Eiichi (Arizona)

**Session Classification:** Plenary Session

Contribution ID: 11

Type: **not specified**

## LiteBIRD

*Wednesday, December 14, 2022 11:30 AM (25 minutes)*

**Presenter:** MONTIER, Ludovic (IRAP)

**Session Classification:** Plenary Session

Contribution ID: 12

Type: **not specified**

## KEK

*Wednesday, December 14, 2022 3:30 PM (5 minutes)*

**Presenter:** YAMAUCHI, Masanori (KEK)

**Session Classification:** Inauguration ceremony

Contribution ID: 13

Type: **not specified**

## JSPS

*Wednesday, December 14, 2022 3:51 PM (5 minutes)*

**Presenter:** UKAWA, Akira (WPI Program Center/ JSPS)

**Session Classification:** Inauguration ceremony

Contribution ID: 14

Type: **not specified**

## Kavli IPMU

*Wednesday, December 14, 2022 3:58 PM (5 minutes)*

**Presenter:** OOGURI, Hiroshi (Kavli IPMU)

**Session Classification:** Inauguration ceremony

Contribution ID: 15

Type: **not specified**

## **ISAS, JAXA**

*Wednesday, December 14, 2022 4:05 PM (5 minutes)*

**Presenter:** KUNINAKA, Hiroshi (ISAS JAXA)

**Session Classification:** Inauguration ceremony



Contribution ID: 16

Type: **not specified**

## Toyota

*Wednesday, December 14, 2022 4:12 PM (5 minutes)*

**Presenters:** NAKANISHI, Koukichi (Toyota Central R&D Labs.); OGAWA, Masaru

**Session Classification:** Inauguration ceremony

Contribution ID: 17

Type: **not specified**

## Quantum sensors

*Thursday, December 15, 2022 9:00 AM (50 minutes)*

**Presenter:** DU, Jiangfeng (USTC)

**Session Classification:** Plenary Session

Contribution ID: **18**

Type: **not specified**

## **Recent developments of muon microscopes**

*Thursday, December 15, 2022 10:00 AM (25 minutes)*

**Presenter:** NAGATANI, Yukinori (KEK)

**Session Classification:** Plenary Session

Contribution ID: 19

Type: **not specified**

## **Neural Decoding of Human Language Processing using MEG**

*Thursday, December 15, 2022 10:30 AM (25 minutes)*

**Presenter:** SAKAI, Hiromu (Waseda)

**Session Classification:** Plenary Session

Contribution ID: 20

Type: **not specified**

## **The relationship between micro- and macro-physics and micro- and macro-perception**

*Thursday, December 15, 2022 11:00 AM (1 hour)*

**Presenter:** ZEKI, Semir (UCL)

**Session Classification:** Plenary Session

Contribution ID: 21

Type: **not specified**

## Introduction

*Thursday, December 15, 2022 1:30 PM (5 minutes)*

**Presenter:** MITSUDA, Kazuhisa (NAOJ/QUP)

**Session Classification:** Plenary Session

Contribution ID: 22

Type: **not specified**

## **Keynote, R&D Experiences Initiated by Wants and Visions**

*Thursday, December 15, 2022 1:40 PM (50 minutes)*

**Presenter:** KIKUCHI, Noboru (Genesis Research Institute/Toyota Riken)

**Session Classification:** Plenary Session

Contribution ID: 23

Type: **not specified**

## **Current Methods and a Future Vision for Mission Concept Systems Development at NASA**

*Thursday, December 15, 2022 2:40 PM (40 minutes)*

**Presenter:** TRANGSRUD, Amy (JPL)

**Session Classification:** Plenary Session



Contribution ID: 24

Type: **not specified**

## **Systems Engineering Practices for SPHEREx**

*Thursday, December 15, 2022 3:30 PM (40 minutes)*

**Presenter:** ROCCA, Jennifer (JPL)

**Session Classification:** Plenary Session

Contribution ID: 25

Type: **not specified**

## Concluding remarks

*Thursday, December 15, 2022 4:10 PM (5 minutes)*

**Presenter:** HAZUMI, Masashi (QUP)

**Session Classification:** Plenary Session

Contribution ID: 26

Type: **not specified**

## **MEXT**

*Wednesday, December 14, 2022 3:37 PM (5 minutes)*

**Presenter:** MORI, Akinori (MEXT)

**Session Classification:** Inauguration ceremony

Contribution ID: 27

Type: **not specified**

## **QUP's Initial Achievements and Plans**

*Wednesday, December 14, 2022 1:45 PM (15 minutes)*

**Presenter:** HAZUMI, Masashi (QUP)

**Session Classification:** Inauguration ceremony

Contribution ID: 28

Type: **not specified**

## **Low-Temperature Detector development at QUP**

*Wednesday, December 14, 2022 2:25 PM (15 minutes)*

**Presenter:** GARCIA-SCIVERES, Maurice

**Session Classification:** Inauguration ceremony

Contribution ID: 29

Type: **not specified**

## **Radiation Hard Detector development at QUP**

*Wednesday, December 14, 2022 2:45 PM (10 minutes)*

**Presenter:** TANIGUCHI, Nanae

**Session Classification:** Inauguration ceremony

Contribution ID: 30

Type: **not specified**

## **Systems Engineering Practices for SPHEREx**

**Session Classification:** Plenary Session

Contribution ID: 31

Type: **not specified**

## **TES focal plane detector subsystem for LiteBIRD**

*Wednesday, December 14, 2022 2:05 PM (15 minutes)*

**Presenter:** LEE, Adrian

**Session Classification:** Inauguration ceremony



Contribution ID: 32

Type: **not specified**

## **Quantum Sensor development at QUP and industrial applications in general**

*Wednesday, December 14, 2022 3:00 PM (10 minutes)*

**Presenter:** IIZUKA, Hideo

**Session Classification:** Inauguration ceremony

Contribution ID: 33

Type: **not specified**

## Hot topic in Cosmology

*Wednesday, December 14, 2022 12:00 PM (25 minutes)*

**Presenter:** SCOTT, Douglas

**Session Classification:** Plenary Session

Contribution ID: 34

Type: **not specified**

## Message from QUP Director

*Wednesday, December 14, 2022 3:44 PM (5 minutes)*

**Session Classification:** Inauguration ceremony

Contribution ID: 35

Type: **not specified**

## Group Photo

*Wednesday, December 14, 2022 4:25 PM (5 minutes)*