



3rd International Symposium on  
Quantum-field Measurement Systems for  
Studies of the Universe, Particles, and Other Applications

# QUPosium2024

Hosted by WPI-QUP

December 9 - 11, 2024 (Mon - Wed)  
Epochal Tsukuba International Congress Center  
Tsukuba, Japan

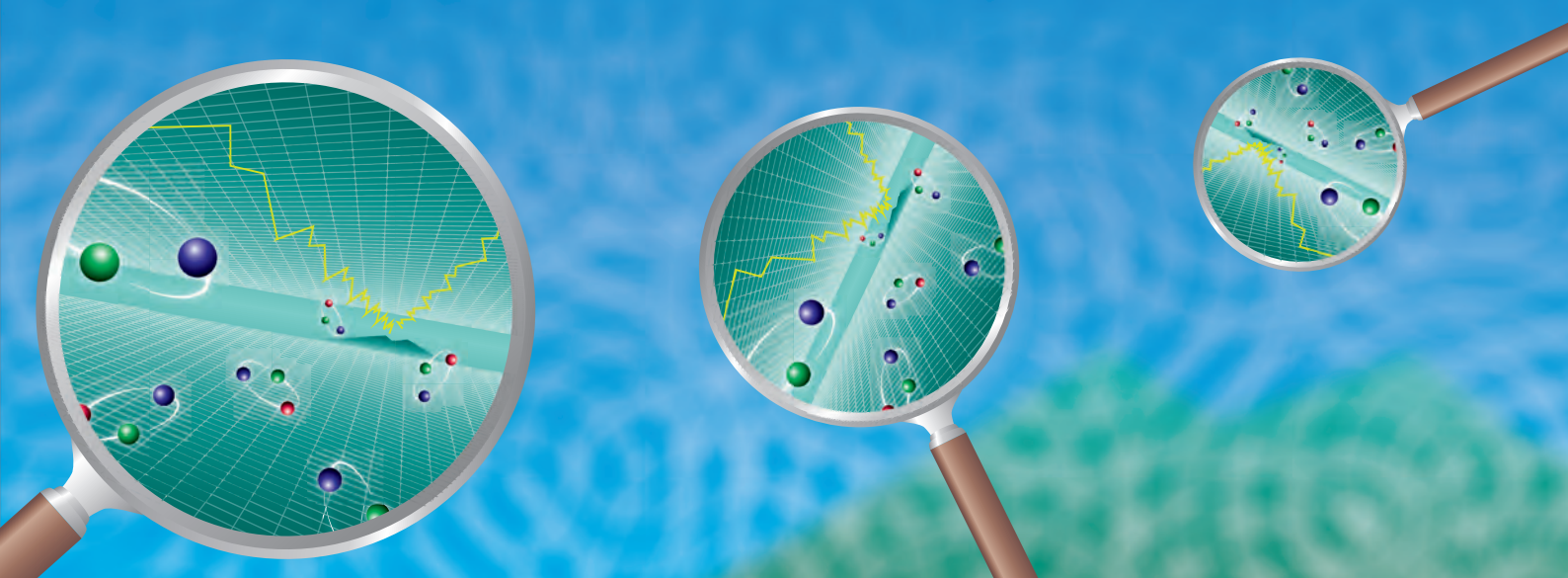
<https://conference-indico.kek.jp/event/290/>

## Plenary Speakers Include

**Celine Boehm** (U. Sydney / U. Edinburgh) | **Oliver Buchmuller** (Imperial Col. London)  
**Dmitry Budker** (U. California, Berkeley / JGU, Mainz) | **John Callas** (NASA / JPL)  
**Michael Doser** (CERN) | **Graciela Gelmini** (UCLA) | **Kaori Hattori** (AIST / QUP)  
**Hideo Iizuka** (Toyota Central R&D Lab. / QUP) | **Kent Irwin** (Stanford) | **Kiwamu Izumi** (JAXA)  
**Nobu-Hisa Kaneko** (NMIJ/AIST) | **David Kaplan** (Johns Hopkins U.) | **Joseph Kirschvink** (Caltech)  
**Kazunori Nakayama** (Tohoku U. / QUP) | **Yuichiro Matsuzaki** (Chuo U.) | **Yuta Michimura** (U. Tokyo)  
**Masaya Miyahara** (KEK / QUP) | **Norikazu Mizuochi** (Kyoto U.) | **Matt Pyle** (U. California, Berkeley)  
**Pramod Reddy** (U. Michigan) | **Marianna Safronova** (U. Delaware) | **Chiara Salemi** (Stanford)  
**Andrew Sonnenschein** (Fermilab) | **Michael Tobar** (U. Western Australia) | **Atsushi Yamaguchi** (RIKEN)  
**Masahito Yamazaki** (Kavli IPMU, U. Tokyo)

## Program Committee

**Christopher Betancourt** (QUP) | **Suerfu Burkhant** (QUP) | **Yuji Chinone** (QUP) | **Masashi Hazumi [Chair]** (QUP)  
**Kazuhisa Mitsuda** (QUP) | **Volodymyr Takhistov [Co-Chair]** (QUP)



# "QUPosium2024"

## Overview

International Center for Quantum-field Measurement Systems for Studies of the Universe and Particles (WPI-QUP) will hold its third international symposium "QUPosium 2024".

QUPosium2024 aims to bring together leading experts and researchers to discuss the most exciting developments and exchange ideas toward discovering novel quantum fields using quantum sensing approaches and technologies. Leading experts will introduce big questions and methods to address them in their research areas, as well as cutting-edge research results and new directions. A limited number of contributed talks discussing new research results on related topics will be presented.

Symposium participants will also have the opportunity to present posters of their research.

We look forward to your participation.

## 開催概要

量子場計測システム国際拠点 (WPI-QUP) は、国際シンポジウム「QUPosium2024」を開催いたします。

第3回となる今回のQUPosiumでは、量子センシング技術を用いた新しい量子場の発見に向けて、最近のエキサイティングな進展について議論し、アイデアを交換することを目的としています。

量子センシングの第一線で活躍する研究者による招待講演に加えて、関連するトピックについて新しい研究成果を議論するショートトーク、およびポスター発表で構成されます。皆様の参加を歓迎します。

**Term:** Monday, December 9, 2024 - Wednesday, December 11, 2024

**Venue:** Tsukuba International Congress Center

**Language:** English

**Web page:** <https://conference-indico.kek.jp/event/290/>

**Registration Deadline:** Sunday, November 24, 2024

\*Poster PDF for Print: <https://conference-indico.kek.jp/event/290/attachments/3681/5066/QUPosium2024-Poster-hires.pdf>

開催期間：令和6年12月9日（月）～11日（水）

開催場所：つくば国際会議場

使用言語：英語

Web ページ： <https://conference-indico.kek.jp/event/290/>

参加登録締切：11月24日（日）

\*印刷用ポスター PDF： <https://conference-indico.kek.jp/event/290/attachments/3681/5066/QUPosium2024-Poster-hires.pdf>

**Contact:** QUPosium Secretariat (QUPosium@ml.post.kek.jp)

問合わせ先：QUPosium 事務局 (QUPosium@ml.post.kek.jp)

