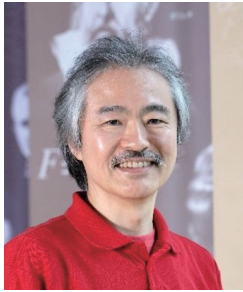


Director's Message

Director, Professor

Masashi Hazumi



Marcel Proust said, "The only real voyage of discovery consists not in seeking new landscapes, but in having new eyes."

The quote precisely tells our spirit, and QUP brings new eyes to humanity to see this beautiful world (the true nature of space-time and matter.) I would like to make QUP a place where researchers from different fields can meet, ideas can spark, and dreams can come true. And I dream that QUP will become a cornerstone of human happiness in this way.

Quantum Field Measurement Systemology

We work to establish a new measurement science, "quantum field measurement systemology", through close collaboration among various research fields, and efficient accumulation of our knowledge. "Quantum field measurement systemology" includes physics, measurement science, engineering, and humanities. Under this new field, we can promote our big research project faster and more accurately.

World Premier International Research Center Initiative (WPI)



World Premier International Research Center Initiative (WPI) was launched in 2007 by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) in a drive to build within Japan "globally visible" research centers that boast a very high research standard and outstanding research environment, sufficiently attractive to prompt frontline researchers from around the world to want to work in them. These centers are given a high degree of autonomy, allowing them to revolutionize conventional modes of research operation and administration in Japan. QUP was founded in December 2021 and is the 14th center of WPI.

Access

By Bus

Take the Tsuku Bus "Hokubu Shuttle(北部シャトル)" or take a Kanto Tetsudo bus bound for "Techno Park Oho(テクノパーク大穂)" at Tsukuba Center(つくばセンター) Bus Terminal adjacent to TX Tsukuba Station. Get off the bus at H07 "KEK / High Energy Accelerator Research Organization(高エネルギー加速器研究機構)".

By Car

Drive to Sakura Tsuchiura Interchange Exit, turn left to Tsukuba Direction, turn right at Sasagi Intersection, and drive further north on the Higashi Odori about 14km.

Contact

1-1, Oho, Tsukuba, Ibaraki, 305-0801 Japan
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High Accelerator Research Organization (KEK)
International Center for Quantum-field Measurement
Systems for Studies of the Universe and Particles (QUP)
TEL : 029-879-6300 FAX : 029-864-5430
Email : qup_pr@ml.post.kek.jp
URL : <https://www2.kek.jp/qup/>

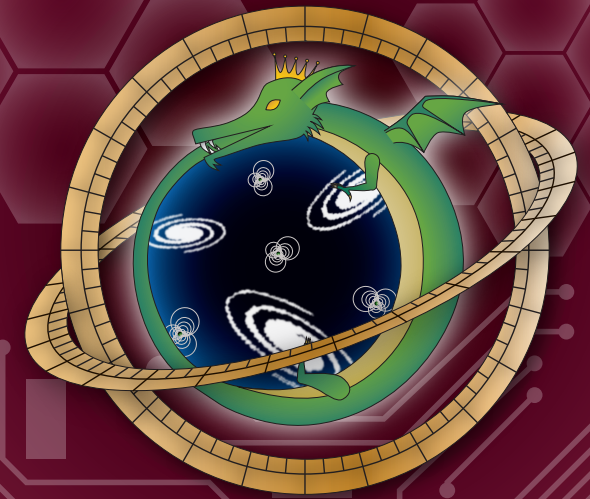


International Center for
Quantum-field Measurement Systems for
Studies of the Universe and Particles



International Center for
Quantum-field Measurement Systems for
Studies of the Universe and Particles
WPI research center at KEK

Bringing new eyes to humanity



to see this beautiful world

QUP brings new eyes to humanity to see this beautiful world

Quantum fields are space-time with particles and quasiparticles created and annihilated and associated physical quantities. They are the origin of all the objects and phenomena in the universe. Research on the quantum field is essential to solving the mysteries of science.

International Center for Quantum-field Measurement Systems for Studies of the Universe and Particles (QUP) aims to invent and develop new systems for measuring quantum fields by integrating particle physics, astrophysics, condensed matter physics, measurement science, and systems science. We are the only center in the world that integrates the invention of new measurement principles for experimental cosmology and particle physics, the development of systems to realize these principles, and the execution of projects. We can bring "new eyes" to humanity to see the origin of this world through our research activity. "New eyes" is also "new means", which can create new social values.

The head quarter of QUP is located in 4F, Bldg.4, KEK.



The Mission of QUP

