

# **Nagoya Workshop on Technology and Instrumentation in Future Liquid Noble Gas Detectors**

**Tuesday, 13 February 2024 - Friday, 16 February 2024**

**KMI Science Symposia**

## **Scientific Programme**

## Scientific Program

Physics program of future direct dark matter searches

New detector design and novel TPCs: single-phase TPC, solid-Xe TPC, hermetic TPC, electrodes, and etc

New photosensors and charge readout: PMT, SiPM and etc

Novel purification for radioactive and non-radioactive impurities

Accidental coincidence and single-electron backgrounds