



## Colloquium

# The TEXONO Program on Neutrinos, Dark Matter, and Gravitation Wave Research.

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**Date: 2024/10/29(Tue)**

**Venue: S4-625**

**Time: 14:00-16:00**

### Abstract:

The Taiwan-rooted TEXONO research program started with physics and instrumentation of reactor neutrinos at the Kuo-Sheng Nuclear Power Plant. The subjects have evolved to include dark matter searches and gravitational wave (GW) science, through expansion made possible by generations of students and collaborations. We will give an account on the journey, highlighting the results, current status and the future prospects. The focus rests on the setting-up and shaping of a GW research program in Taiwan, and in particular the mirror coating research for next generation GW programs pursued by the AS, NCU & NTHU teams at our home laboratories and at the Taiwan Semiconductor Research Institute.