

ELPH seminar

Speaker : Dr. Chayut Thanapirom
Terahertz Technology Laboratory,
NECTEC, Thailand

Date : 7th September (Fri) 15:30-16:30

Place : Mikamine Hall, ELPH

Title: Research Status of TTL – SSDRU – NECTEC

Abstract :

Terahertz Technology Laboratory (TTL) is one of the research lab in Spectroscopic and Sensing Device Research Unit (SSDRU), National Electronics and Computer Technology Center (NECTEC), Thailand. Our mission is to develop a THz technology platform, and innovate applications tailored towards the needs of Thailand's industry. Currently, we focus the applications on food, agriculture, medicine and security sectors. Ongoing projects in our lab cover both basic hardware development as well as THz application research, for example, the development of a Smith-Purcell backward-wave oscillator THz source, a meta-material THz array detector and a THz time-domain spectroscopy (TDS) system, a THz moisture imaging system and a THz fingerprint databank. The presentation will go over our current research status and the future plan of our group.