



IBS Center for Molecular Spectroscopy and Dynamics

COLLOQUIUM

■ **SPEAKER**

Prof. O-Pil Kwon (Ajou University)

■ **TITLE**

Electro-Optic Organic THz Wave Sources

■ **ABSTRACT**

THz photonics is based on electromagnetic waves in the range from 0.1 to 15 THz. Compared to widely used conventional optical waves, microwaves, radio frequency (RF) and X-ray, THz waves exhibit very unique characteristics; e.g., very high material transparency with conductivity dependence, selective absorption with molecular phonon mode. However, a lack of highly efficient broadband THz sources is one of important limitation. In this presentation, highly efficient broadband THz sources based on organic electro-optic crystals are discussed.

■ **DATE AND VENUE**

January 24, 2018 (Wednesday, 5:00 - 6:00 pm)
Seminar Room 116, KU R&D Center

■ **LANGUAGE**

Korean

■ **INVITED BY**

Prof. Kyungwon Kwak

*If you want to have dinner with Prof. O-Pil Kwon or discuss with him, please contact Prof.

Kyungwon Kwak (kkwak@korea.ac.kr).