

Terahertz Science Area (Nakajima Lab)

Focusing on **Terahertz Waves** for next-generation applications

- Exploration of materials science, ultrafast phenomena, quantum control
- Promotion of terahertz engineering and terahertz spintronics
- Application of metamaterials
- Development of semiconductor material evaluation methods

【Staff】

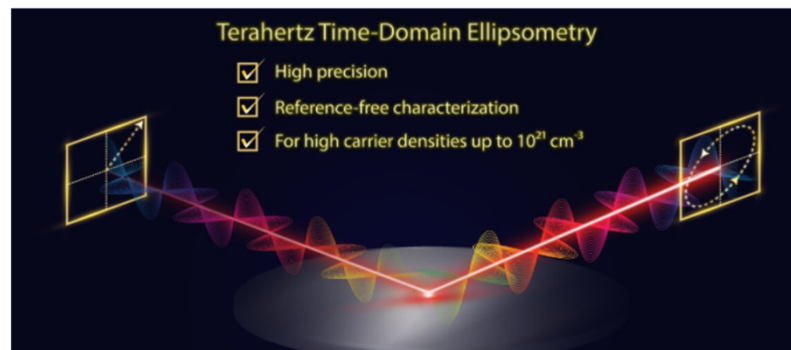
Makoto Nakajima (Professor)

Verdad C. Agulto (Assistant Professor)

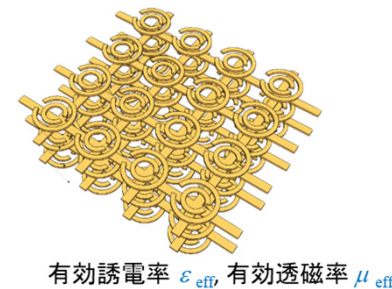
Conducting research activities from basic to applied sciences

Terahertz → Next-generation Communication Band “Beyond 5G”
The Most Anticipated Area in the Next 10 Years

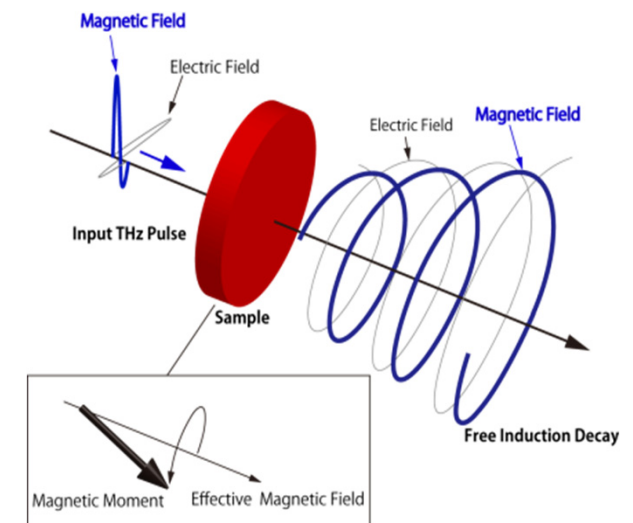
Development of Terahertz Ellipsometry



Development of Metamaterials



Ultrafast Quantum Control Spin, Electron, Phonon



Development of Terahertz Ellipsometry

Development of New Artificial Materials / Metamaterials

Evaluation of Semiconductors and Biomaterials

Ultrafast Detection of Relativistic Quantum Beams ...and more