

Graduate School of Engineering Science
Department of System Innovation
Division of Advanced Electronics and Optical Science

Nagatsuma Lab.

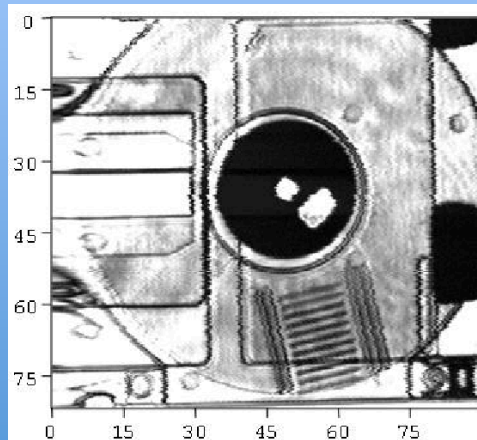
The group conducts basic research on contemporary electromagnetic waves covering from high-frequency radio waves and/or electronics to light waves, and their system applications. Especially focused on are the following themes; millimeter-wave and terahertz-wave photonics aiming at the future communications and sensor applications, nanophotonics for low-dimensional light waves, ultrafast time/space control of light and enabling devices, and blackbody radiation control with micro/nano structures.

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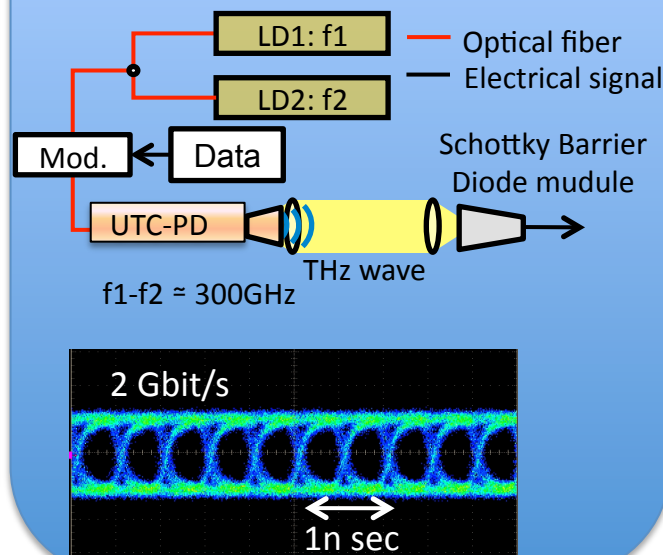
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CW-THz imaging
for non-destructive inspection



Gbit/s THz wireless communication



CW-THz spectroscopy
for chemical analysis

