Imaging on the Nanoscale with THz Time-Domain, Emission and Pump-Probe Microscopy - DTU Orbit (16/01/2019)

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We demonstrate an experimental platform based on an scattering-type scanning near-field optical microscope (s-SNOM) with the ability to perform Laser Terahertz Emission Microscopy (LTEM), Terahertz Time-Domain Imaging (THz-TDI) and optical-pump terahertz probe back-to-back in the same configuration. We illustrate this by imaging a metal-semiconductor interface with all three methods.

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