

Coupling of a 2D Semiconductor to Plasmonic Modes

Researchers investigate the coupling of a 2D material semiconductor to plasmonic modes in a silver nanowire using photoluminescence and correlation spectroscopy. These measurements require nm precise positioning and resolution ability. The team uses a cryogenic confocal microscope to achieve the required position and light emission is captured in an optical fiber going into a spectrograph for analysis.

Featured Paper/ Publication: [Coupling single defects in 2D semiconductor to a silver nanowire](#),
2D Photonic Materials and Devices, 2018

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Products used: [SpectraPro](#), [PIXIS](#)