

# ISGD7

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## **Plasmonic Nanostructures**

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In this talk I will discuss recent experiments on nano-imaging of plasmon polaritons in graphene-based and WSe<sub>2</sub>-based nanostructures. The focus will be on controlling nano-optical phenomena with the electric field, electrical currents, and ultra-fast optical excitation. I will also discuss recent progress in multi-messenger nano-imaging recently implemented in our laboratory (Nature Materials 2020 <https://doi.org/10.1038/s41563-019-0533-y>).