

Our project is particularly promising amid the proliferation of small, highly maneuverable military drones, for which no effective detection or tracking system exists. A fast hemispherical LiDAR ...

The authors develop an imaging-based intelligent spectrometer on a plasmonic "rainbow" chip. It can accurately and precisely determine the spectroscopic and polarimetric information of the illumination ...

Productivity stemming from the combination of modern hardware design with intuitive, easy-to-learn Georgian Technical University Intelligent Scientific Data Solution (GTUISDS) software.

Imaging-based intelligent spectrometer on plasmonic 2d chip and method [Download PDF](#)

In this talk, I will discuss a plasmonic "rainbow" trapping metasurface for on-chip spectrometers and sensors. By extracting the numerical centroid of the trapped surface plasmon waves, a miniaturized ...

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Here we report an intelligent on-chip spectrometer by integrating an on-chip rainbow trapping phenomenon with a compact optical imaging system.

Contribute to [rlu25/AI-spectrometer-on-a-plasmonic-rainbow-chip](#) development by creating an account on GitHub.

Here, we develop a compact plasmonic "rainbow" chip for rapid, accurate dual-functional spectroscopic sensing that can surpass conventional portable spectrometers under selected ...

Here, we report a plasmonic "rainbow" chip for dual-functional spectroscopic sensing. By analyzing a single image with deep neural network, this image-based sys.



Georgian Intelligent Spectrometer

Web: <https://www.prospettivacasa.eu>

