

## **Super-resolution optical imaging of nanostructures using SMAL(Super-resolution Microsphere Amplifying Lens)**

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Optical imaging is one of the most difficult tasks in characterizing nanostructures due to the diffraction limit. Using our novel SMAL (Super-resolution Microsphere Amplifying Lens) lens, we could image nanostructures with dimensions down to 50 nm in wide field reflection mode. SMAL is a super-resolution objective lens with built in high refractive index microsphere.

Combining a built-in SMAL powered lens, with best-in-class software and hardware specifications; the new NANOPSIS imaging system generates full colour, large area scans of materials and life science samples.

Full colour wide area image scans of silicon nanostructures, graphene, alloys and bio samples will be presented. NANOPSIS brings contactless non-invasive, non-destructive easy to use and cost effective imaging process.