

# Adaptable large area metasurfaces for customised applications

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The prerequisite for adaptive and customised optical components and systems calls for flexible and low cost production technologies. Flat optics technology is ideally suited for applications which require high speed manufacturing, compact size and tuneable properties. In this talk we will present the fabrication routes towards the realization of adaptable large area functional surfaces, based on hybrid materials, smart (optical) designing, alternative nanofabrication process and post printing technologies. We demonstrate the production of optical surfaces with tailored functionalities for applications in areas such as security printing, imaging and energy harvesting systems.

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