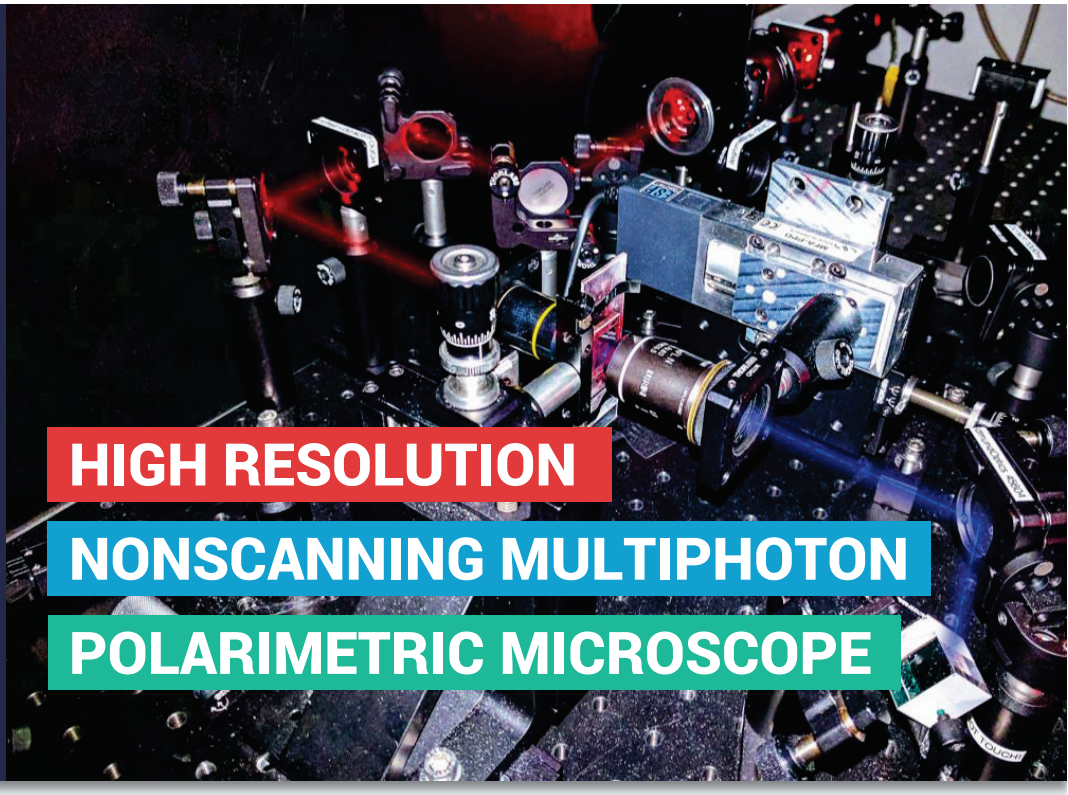
PolarNon

High Resolution Nonscanning Multiphoton Polarimetric Microscope

ETH zürich

TARGET AREA

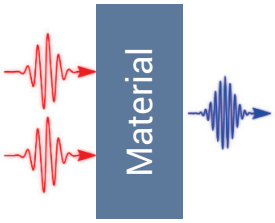
- Semiconductor materials
- Computer components
- Sensors, optoelectronic devices
- Metamaterials & photonic crystals



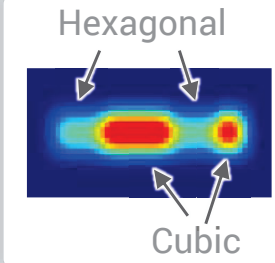
IDEA

Use nonlinear optical responses to characterize materials

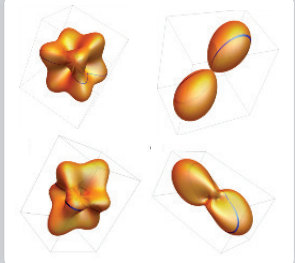
Multiphoton



Imaging



Software



TIME SAVING

- Nonscanning
- Easy adaptive
- Software

FEATURES

- Transmission
- Reflection

Nonlinear optical responses are strongly dependent on:

- Crystal structure
- Defects
- Materials compound
- Optoelectronic properties

PolarNon uses multiphoton process to characterize materials.

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