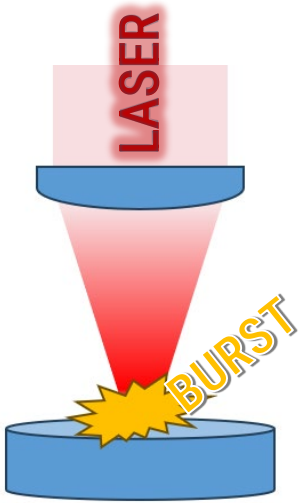
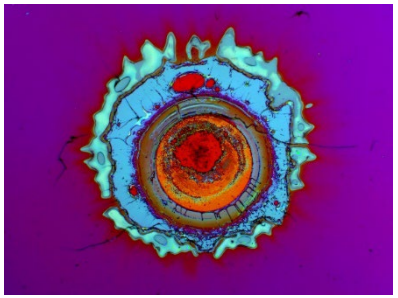
Laser-induced destruction
Ultrafast Optics – Prof. Stefan Nolte

Topic:
Extremely high intensities are achieved in the field of high-power and ultrashort pulse lasers, which can damage optical components. It is therefore necessary to characterize the laser-induced damage threshold (LIDT).

Research Focus:
LIDT measurements on optical components with additively manufactured substrates and new EUV coatings.

Tasks:
- Work on optical test setups in the laboratory
- Measurement of the laser-induced damage threshold of different optical components
- Evaluation and processing of measurement data





Gintare Bataviciute, Lidaris (www.optica-opn.org/ home/gallery/photo_contests/2019/laser-induced_damage/)

Scientific Profile

Basic research	*Applied research*
Lab work	*Simulation*
New setup	*Tested setup*

Language *German & English*

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