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## WAVEGUIDE STRUCTURING AND BRAGG GRATING FABRICATION BY ULTRAVIOLET LIGHT INDUCED REFRACTIVE INDEX CHANGES IN PHOTSENSITIVE OPTICAL MATERIALS



Cuvillier Verlag Nov 2007, 2007. Taschenbuch. Book Condition: Neu. 212x149x12 mm. Neuware - The refractive index of photosensitive optical materials can be permanently changed by UV-irradiation. The objective of this thesis was to use such refractive index changes for the fabrication of waveguides and Bragg gratings. Integrated optics allows for the integration of optical functionality on a small footprint. A technique to realize integrated optical waveguides is the direct writing technique where a focused UV-laser is scanned over a photosensitive...

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- Authored by Frank Knappe
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