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Structured Light Fields in Optical Fibers | IntechOpen
We illustrate the robustness of our technique by measuring the wavefront of a variety of static and propagating structured light beams [28, 29] such as vortex, Bessel, Airy and speckle fields.

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Frontiers | Structured Light: Ideas and Concepts | Physics
A special emphasis of the work is the demonstration of advanced applications of the thus created structured light fields in optical micromanipulation, utilising various geometries and unconventional light propagation properties.

Structured Light Fields: Applications in Optical Trapping ...
Structured Light and Its Applications fully describes the electromagnetic theory, optical properties, methods and applications associated with this new technology.

Structured Light and Its Applications | ScienceDirect
2 STRUCTURED LIGHT TECHNIQUES AND APPLICATIONS Object Projector fringe Camera image Phase line Projector pixel Camera pixel Object point Phase line Baseline C A B D E Z (a)(b) Figure 1. (a) Illustration of a structured light system containing one projector, one camera, and an object to be captured. (Reprinted with permission from Reference 12.

STRUCTURED LIGHT TECHNIQUES AND APPLICATIONS
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Currently, the application field of the proposed approach is similar to or wider than that of the structured light method because its superiority in reconstructing 3D motions.

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Structured Light and its Applications: An Introduction to ...
We create these fields by a range of techniques, but primarily using digital holograms written to spatial light modulators for the all-digital control of light. We then apply such Structured Light in applications such as optical trapping and tweezing, optical communication and quantum optics, with some recent research highlights listed below:

Wits Structured Light Lab
The author presents established, and introduces novel concepts for the holographic and non-holographic shaping of a light field. A special emphasis of the work is the demonstration of advanced applications of the thus created structured light fields in optical micromanipulation, utilising various geometries and unconventional light propagation properties.

Structured Light Fields | SpringerLink
A custom structured light pattern can be designed to fit the inspection needs, varying in illumination pattern features and divergence angle to modify the inspected surface area. Relevant products: Multi Spot, Multi Lines/Grid, Structured Light DOE, Custom Solutions. Figure 4. Laser grid inspecting the contours of an object.

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