

## **Xolography - volumetric 3D printing for advanced healthcare and beyond**

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Crossing light beams (*X*) generate an entire (*hólos*) object: *xolography*. The outstanding volumetric 3D printing technology is based on novel photoswitchable initiators. These render the photopolymerization within a vat dependent on two light beams of different wavelengths. We show why this concept is the basis for a continuous, fast and precise 3D printing process. It breaks up with the existing layer-based approaches to unfold the full potential of 3D printing. Individualized manufacturing for life-science, free-form optics, etc. are among the presented applications.