

MNE 2014 SHORT COURSE

3D Laser Lithography systems for Micro- and Nanofabrication

Overview of the subject:

"Nanoscribe is a manufacturer for 3D laser lithography systems providing the only technique of Additive Manufacturing of real three-dimensional objects in one process step with sub—micrometer resolution. Application areas are not only photonics, cell biology, micro mechanics, micro optics, microfluidics, but the systems are also more and more often used in the field of rapid prototyping. With casting techniques the structures made out of photo resist can be transferred into other materials like gold, silicon and many others more. Nanoscribe offers the world fastest commercially available 3D printer with sub-micrometer resolution."

Bio:

Alexander Legant, Physicist (Dipl-Phys.); Studied at the Technische Universität Darmstadt and the Universität Heidelberg (both Germany). Worked 8 years for the French-Japanese company Horiba Jobin Yvon (now Horiba Scientific) as service engineer for Raman spectrometers and x-ray fluorescence spectrometers (XRF) in the German office. Afterwards he worked 2 years as process manager for XRF-spectrometers for the German company Bruker AXS. Joined Nanoscribe Sep-2010; first as service engineer and changed more and more to sales.