

PRESS RELEASE

PRESS RELEASEMarch 21, 2017 || Page 1 | 2

High resolution laser structuring of thin films at LOPEC 2017

Fraunhofer Institute for Laser Technology ILT will present laser processes for micro structuring of thin films at LOPEC 2017, trade fair for printed electronics in Munich, Germany. Innovative solutions for application fields like photovoltaics and thin film processing will be shown at COPT.NRW joint stand 405, hall B0, from March 29 to 30.

The requirements for competitive process engineering for producing organic electronics are high: structure sizes below 10 μm , high speeds with ablation rates of several mm^2/min and applicability to several m^2 . Researchers from Fraunhofer ILT investigate laser based processes for flexible micro structuring of thin films. Through the laser complex structures can be fabricated at high surface rates. Customized wavelengths and pulse durations enable the use of specific optical characteristics of organic and inorganic materials.

Even at high speeds the laser precisely structures thin films with the developed processes. Compared to conventional processes various approaches to beam guiding and shaping improve resolution and productivity significantly. Our experts are looking forward to give you more details about this topic at LOPEC 2017.

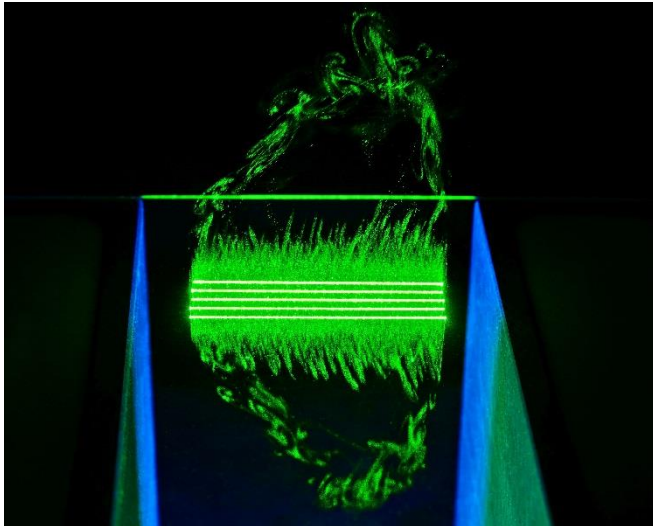
Editorial Notes

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Picture 1:
Laser ablation of ITO on flexible PET substrate.
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PRESS RELEASE

March 21, 2017 || Page 2 | 2

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