



Das Institut für Optische Technologien lädt ein zum Kolloquiumsvortrag

Super resolution microscopy in the infrared

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While we all agree that we should be able to 'see' how molecular building blocks organise to form ourselves and our products, our ability to 'see' currently is limited due to either the need of high vacuum or poor spatial and depth resolution. The ability to image molecular building blocks in the ambient will not only advance our understanding of biological processes, it may also provide critical quality control tools for nano-enabled products in advanced manufacturing. Far field IR absorption offers simplicity due to its straightforward spectral interpretation and the ability of finger-printing through chemical signatures. It is also very appealing for nanoscale, real time imaging provided that the diffraction (Abbé) limit is overcome. In this presentation, after providing a general background, we will demonstrate how we have achieved this task within the FP7 project LANIR. We will also present to the audience a few exciting new areas where label-free super resolution imaging can be used.

Einladender: Prof. Dr. Michael Bredol

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Prof. Dr. Michael Bredol
Prof. Dr. Thomas Jüstel
Prof. Dr. Ulrich Kynast
Prof. Dr. Konrad Mertens
Dr. Stephanie Möller
Prof. Dr. Ulrich Wittrock

Ort:

Raum D 145
(Gebäudeteil D, Parkplatz P3)
Stegerwaldstraße 39
48565 Steinfurt

Datum:

Mittwoch, 11.10.2017

Uhrzeit:

17.00 Uhr c.t.

