



## Colloquium on Advanced Materials

### Printed electronics meets nanophotonics

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The use of printing technologies offers a variety of interesting prospects for future mass fabricated optoelectronic systems comprising semiconductor devices and photonic elements. The ease of processing and the possibility to tailor the electronic and optoelectronic properties of organic semiconductors renders this class of materials very interesting for realizing low-cost and custom-made sensor devices. In this talk, I will discuss different lasers and their integration into all-polymer lab-on-chip systems as well as different methods to control and manipulate light propagation in such devices in order to enable lasing, light-extraction or light-incoupling.

Date:  
**6<sup>th</sup> of July 2017**

Time:  
**17:00 (s.t.)**

Place:  
**Kleiner Hörsaal,  
Hörsaalzentrum  
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