Department	05 Digital Medai & Print
Course title	Organic and Printed Electronis: from materials to electronic devices
Hours per week (SWS)	4
Number of ECTS credits	6
Course objective	The lecture Organic and Printed Electronics will give an overview of this field from the material to electronic devices.
Prerequisites	Printing technologies
Recommended reading	none
Teaching methods	Lectures, Guest Lectures, Work in small working groups, Presentations by students
Assessment methods	Term paper
Language of instruction	English
Name of lecturer	Dr. Wolfgang Schmidt
Email	WSchmidt@Felix-Schoeller.com
Link	
Course content	The lecture is structured in three different parts: material, process and devices. The material part includes the most important and used materials, like conducting polymers and small molecules. The part of process includes the typical used processing and printing techniques with a focus on functional printing. The device part will give an overview of the most important passive and active devices, from resistors and capacitors to devices such as OLEDs, OPV, transistors and sensors.