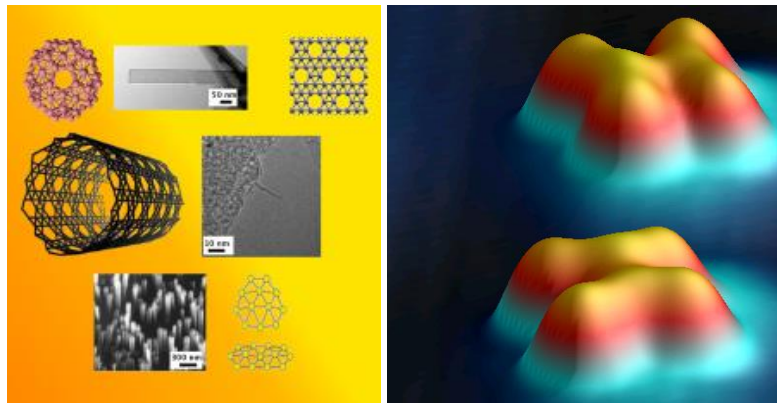


# SoSe 2018 | LECTURE ANNOUNCEMENT

# NANOSTRUCTURED MATERIALS



<b>TIME</b>	Lecture: Tuesdays 2. DS (09.20 a.m. – 10.50 a.m.) Exercise: Wednesdays 4. DS (1.00 p.m. – 2.30 p.m.) Lab course: on appointments
<b>START</b>	10.04.2018
<b>LOCATION</b>	<b>SCH/Ao1/H</b> (Lecture), <b>ZEU/250/Z</b> (Exercise)
<b>LECTURERS</b>	Prof. Dr. G. Cuniberti / Dr. L. Baraban
<b>LANGUAGE</b>	English
<b>SUBJECT</b>	The course deals with the physical properties of nanostructured materials, their fabrication and applications. Lab classes accompany the course. The following topics are discussed: <ul style="list-style-type: none"> <li>• scaling laws, mesoscopic systems, quantum effects</li> <li>• bottom-up synthesis of the materials</li> <li>• top-down nanostructuring via electron beam lithography, optical lithography, and scanning probe techniques</li> <li>• low-dimensional systems</li> <li>• nanoelectronic devices, biosensors</li> <li>• microfluidics and optofluidics</li> </ul>

