

# Nanoscience: A personal perspective

A 3-day 12-hour short course: 21-23 August 2017  
offered at Lehrstuhl Cuniberti, Complex Nanomaterials, Technical University of  
Dresden,

by **Robert M. Metzger**, Professor of Chemistry,  
University of Alabama, Tuscaloosa, AL 35487-0336, USA  
Ex-Mercator Professor, Technical University of Dresden 2011-2012

Place: Hallwachstrasse 3 (HAL), Seminar room, 01069 Dresden

## Schedule:

Mon 21 Aug 9:00 to 10:45: What is nano? Why nano? What is it good for?

Mon 21 Aug 11:15 to 13:00: Physics and chemistry of nanoscience; instruments and tools

Tue 22 Aug 9:00 to 10:45: Electronics, Moore's "law", and thermodynamics: any way out?

Tue 22 Aug 11:15 to 13:00: Organics, inorganics, polymers: design and realities

Wed 23 Aug 9:00 to 10:45: Molecular and unimolecular electronics: the details

Wed 23 Aug 11:15 to 13:00: Nano-engineered materials and nanomedicine

Materials: Powerpoint® slides and handouts;  
"The Physical Chemist's Toolbox" and other tomes.

Target group: Graduate students (MSc and PhD) as well as PostDocs,  
it will be mix of some routine stuff for beginners plus advanced  
concepts for the experts...