#### Helmholtz-Zentrum Dresden-Rossendorf | Bautzner Landstr. 400 | 01328 Dresden

TECHNISCHE UNIVERSITÄT

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## INTERNATIONAL HELMHOLTZ RESEARCH SCHOOL FOR NANOELECTRONIC NETWORKS

# COURSE

# Ion Induced Nanostructures

### Dr. Stefan Facsko

Institute Ion Beam Physics and Materials Research Helmholtz-Zentrum Dresden-Rossendorf

- Dates: 21-25 July 2014
- Time: Daily; 09:15 12:30
- Place: Helmholtz- Zentrum Dresden-Rossendorf Building 712, Room 138

#### Abstract

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Table of contents: **1.** Introduction; **2.** Energy Loss of Ions; **3.** Stopping Power; **4.** TRIM; **5.** Damage and Sputtering; **6.** Self-Organized Surface Patterning; **7.** Growth on Nanopatterned Templates; **8.** Nanostructures by Phase Separation; **9.** Highly Charged Ions; **10.** Swift Heavy Ions; **11.** Focused Ion Beams; **12.** Magnetic Nanostructures by Ion Irradiation; **13.** Single Ion Implantation; **14.** Ion Beam Analysis

# You are cordially invited to attend the course

Leibniz-Institut für Polymerforschung

Dresden e. V.

c materials laboratory

nam

Register before July 12, 2014 www.ihrs-nanonet.de/ion\_induced







