Materialien für Mikro- und Nanosysteme

Fachbereich Physik und Institut für Sicherheitsforschung
Dr. Jürgen Fassbender, J.Fassbender@fz-rossendorf.de, FZ Rossendorf, Postfach 51 01 19, 01314 Dresden, Germany
Dr. Kay Potzger, K.Potzger@fz-rossendorf.de, FZ Rossendorf, Postfach 51 01 19, 01314 Dresden, Germany

Motivation
- Magnetic behavior determined by
  - Exchange coupling
  - Antiferromagnetism
  - Curie temperature
  - Magnetic damping
- Structural origins
  - Interface morphology
  - Structural phases (chemically ordered)
  - Composition

Ion fluence dependence
- Structure or composition and thereby magnetic properties
- Exchange coupling between irradiated (implanted) and virgin areas
- Magnetic features are determined by topography and micromagnetism

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