

# Journal of Physics Condensed Matter

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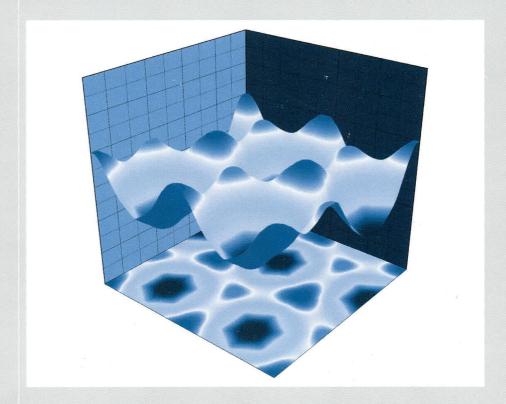
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Surface, Interface and Atomic-Scale Science

## **Topical review**

Controlling magnetism on metal surfaces with non-magnetic means: electric fields and surface charging

Oleg O Brovko, Pedro Ruiz-Díaz, Tamene R Dasa and Valeri S Stepanyuk



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#### SURFACE, INTERFACE AND ATOMIC-SCALE SCIENCE TOPICAL REVIEW 093001 Controlling magnetism on metal surfaces with non-magnetic means: electric fields and surface charging Oleg O Brovko, Pedro Ruiz-Díaz, Tamene R Dasa and Valeri S Stepanyuk SURFACE, INTERFACE AND ATOMIC-SCALE SCIENCE PAPERS 095001 Atomistic study of the structural and electronic properties of a-Si:H/c-Si interfaces Iván Santos, Marco Cazzaniga, Giovanni Onida and Luciano Colombo 095002 Lattice match and lattice mismatch models of graphene on hexagonal boron nitride from first principles Xiaoyang Zhao, Linyang Li and Mingwen Zhao 095003 Ordering and growth of rare gas films (Xe, Kr, Ar, and Ne) on the pseudo-ten-fold quasicrystalline approximant Al<sub>13</sub>Co<sub>4</sub>(100) surface J Petucci, M Karimi, Y-T Huang, S Curtarolo and R D Diehl **PAPERS** SOLID STRUCTURE AND LATTICE DYNAMICS 095401 Neutron powder diffraction study of the magnetic structure of EuZrO<sub>3</sub> Maxim Avdeev, Brendan J Kennedy and Taras Kolodiazhnyi **ELECTRONIC STRUCTURE** 095501 Electronic and optical properties of core-shell nanowires in a magnetic field V V Ravi Kishore, B Partoens and F M Peeters SUPERCONDUCTORS AND METALS 095701 Site-disorder driven superconductor-insulator transition: a dynamical mean field study Naushad Ahmad Kamar and N S Vidhyadhiraja 095702 The diode effect induced by domain-wall superconductivity M A Silaev, A Yu Aladyshkin, M V Silaeva and A S Aladyshkina **SEMICONDUCTORS** 095801 Spin-orbit coupling and weak antilocalization in the thermoelectric material β-K<sub>2</sub>Bi<sub>8</sub>Se<sub>13</sub> J Hu, J Y Liu and Z Q Mao 095802 Multiple state transport deduced by weak antilocalization and electron–electron interaction effects in $Sb_x Te_{1-x}$ layers Y Takagaki, U Jahn, A Giussani and R Calarco MAGNETISM AND MAGNETIC MATERIALS 096001 3D-XY critical behavior of CsMnF<sub>3</sub> from static and dynamic thermal properties A Oleaga, A Salazar and Yu M Bunkov