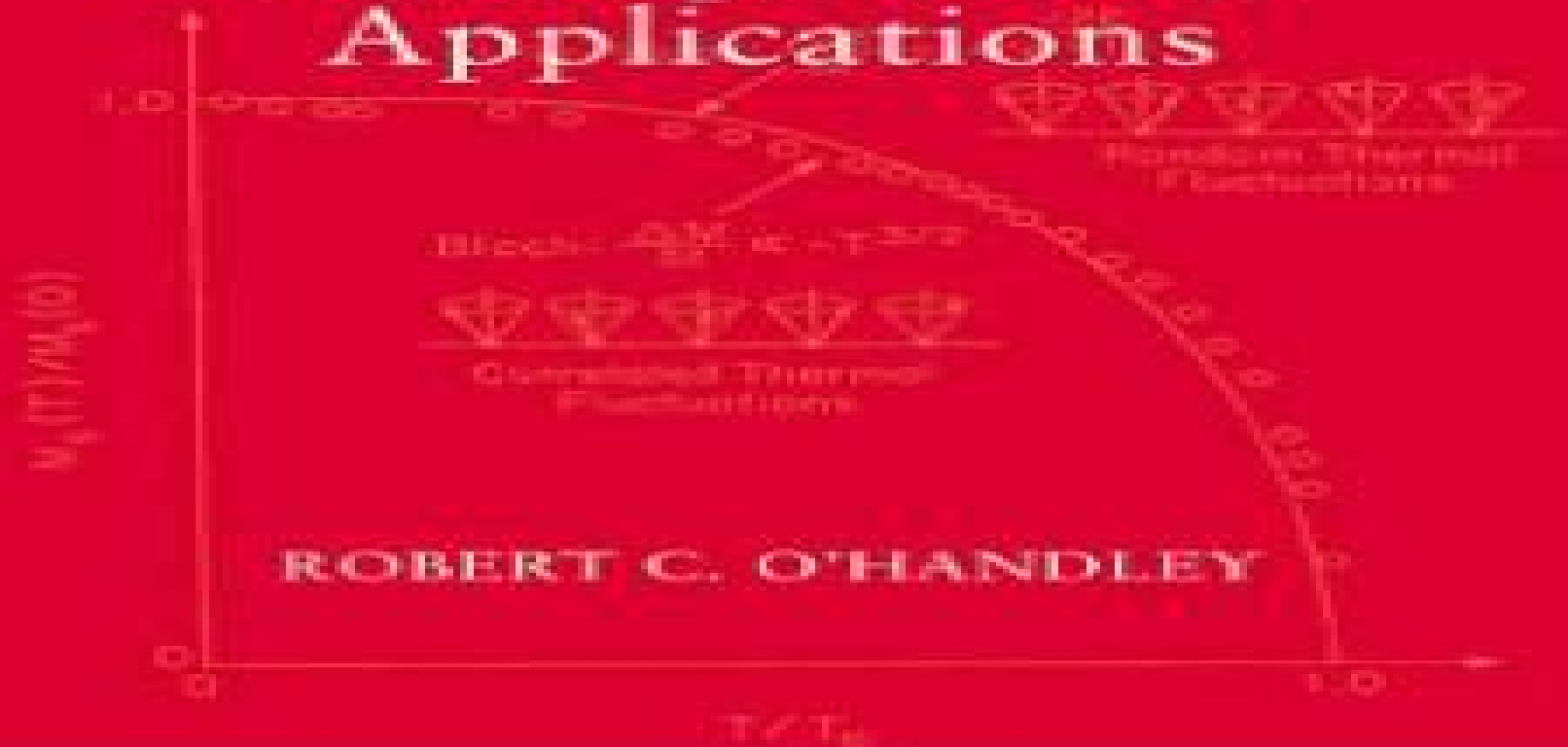


Modern Magnetic Materials

Principles and Applications



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Helmut Kronmüller, Stuart S. P. Parkin



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Advances in sample characterization techniques for nano magnetism which allow detailed exploration of structure property relationships in nanostructured magnetic systems The volume highlights current trends in both fields and offers an outlook for further advances and new capabilities *Handbook of Magnetism and Advanced Magnetic Materials: Spintronics and magnetoelectronics* Helmut Kronmüller, Stuart S. P. Parkin, 2007 **Smart Structures and Materials...**, 2002

Manufacturing Science and Technology, AEMT2011 Peng Cheng Wang, Li Qun Ai, Yun Gang Li, Xiao Ming Sang, Jing Long Bu, 2011-07-04 Selected peer reviewed papers from the 2011 International Conference on Advanced Engineering Materials and Technology AEMT 2011 July 29 31 2011 Sanya China *Concise Encyclopedia of Magnetic and Superconducting Materials* K.H.J. Buschow, 2005-12-28 Magnetic and superconducting materials pervade every avenue of the technological world from microelectronics and mass data storage to medicine and heavy engineering Both areas have experienced a recent revitalisation of interest due to the discovery of new materials and the re evaluation of a wide range of basic mechanisms and phenomena This Concise Encyclopedia draws its material from the award winning Encyclopedia of Materials and Engineering and includes updates and revisions not available in the original set making it the ideal reference companion for materials scientists and engineers with an interest in magnetic and superconducting materials Contains in excess of 130 articles taken from the award winning Encyclopedia of Materials Science and Technology including ScienceDirect updates not available in the original set Each article discusses one aspect of magnetic and superconducting materials and includes photographs line drawings and tables to aid the understanding of the topic at hand Cross referencing guides readers to articles covering subjects of related interest **Magnetic Materials** Amitabha Ghoshray, Bilwadal Bandyopadhyay, 2008-04-22 All papers have been peer reviewed For researchers in Condensed Matter Physics this conference provided a forum for presentation and discussion of the new concepts and developments in magnetic materials encompassing the areas like 1 molecular magnet 2 magnetic thin film and multilayer 3 nanoparticle 4 alloy and intermetallic 5 transition metal oxides 6 frustrated spin glass and amorphous material and 7 magnetic semiconductors New results obtained using experimental techniques like a magnetization and magneto transport and magneto calorie b scattering techniques light and neutron and c resonance techniques EPR NMR and Mossbauer as well as many important theoretical developments were discussed **Advanced X-Ray Characterization Techniques** Zainal Arifin Ahmad, Mohd Ambar Yarmo, Fauziah Abdul Aziz, Meor Sulaiman Meor Yusoff, Badrol Ahmad, Khairul Nizar Ismail, Norazharuddin Shah Abdullah, Muhammad Azwadi Sulaiman, Ahmad Zahirani Ahmad Azhar, 2012-12-13 Selected peer reviewed papers from the International Conference on X Ray and related Technique in Research and Industry ICXRI 2012 July 3 5 2012 Pulau Pinang Malaysia **Electrochemical Deposition of Hard Magnetic Materials for MEMS Applications** Shan Guan, 2004 *Materials Transactions*, 2008

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