



Magnetic Sensors and Applications Based on Thin Magnetically Soft Wires with Tunable Magnetic Properties (Hardback)

By Arcady P Zhukov

Ifsa Publishing, United States, 2014. Hardback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.This book is inspired by a growing interest in the development of functional materials with improved magnetic and magneto-transport properties in sensitive magnetic sensors. Certain industrial sectors, demand cost-effective materials with reduced dimensionality and desirable magnetic properties. Consequently, the development of soft magnetic materials in different forms of ribbons, wires, microwires, and multilayered thin films continue to attract significant attention from the scientific community. The book aims to provide most up-to-date information about developments in magnetic microwires for advanced technologies and present recent results on the remagnetization process, domain walls dynamics, compositional dependence and processing of glass-coated microwires with amorphous and anocrystalline character suitable for magnetic sensors applications. This book can be of interest for PhD, postdoctoral students and researchers working in the soft magnetic materials area and applications.

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