

Frontiers in Superconducting Materials: New Materials and Applications



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Reviews

A really great publication with lucid and perfect reasons. I have read through and i am confident that i am going to gonna read yet again yet again down the road. It is extremely difficult to leave it before concluding, once you begin to read the book.
(Cade Nolan)

FRONTIERS IN SUPERCONDUCTING MATERIALS: NEW MATERIALS AND APPLICATIONS



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Materials Research Society. Hardback. Book Condition: new. BRAND NEW, Frontiers in Superconducting Materials: New Materials and Applications, Vladimir Matias, John Talvacchio, Xiaoxing Xi, Zhenghe Han, Heinz-Werner Neumuller, Superconductors are entering a new age where they will be much more commonplace. High-temperature superconductors (HTS) are currently in the marketplace for rf filter applications and are coming into power applications as wires for cables, fault current limiters and motors/generators. Critical to enabling these developments are the great advances over the last decade-and-a-half in preparation of high-quality materials. Equally exciting, new superconductors are emerging and a better understanding of the cuprates is evolving. The three-year-old MgB₂ superconductor appears to be now moving on to the applications arena as well. This book offers a diverse collection of timely presentations on these new frontiers in superconducting materials. Topics include: developments in second-generation HTS wire, known as coated conductors; progress in first-generation HTS wire towards better performance and manufacturing; MgB₂ materials developments, especially thin films and wires; rf applications; and HTS thin films and electronics.



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