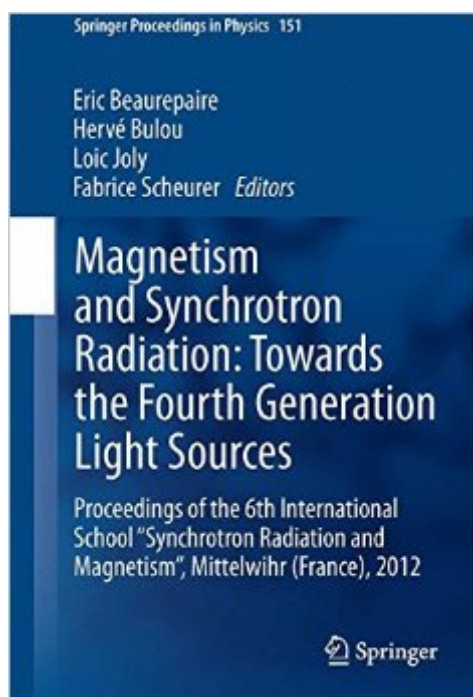


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# Magnetism And Synchrotron Radiation: Towards The Fourth Generation Light Sources: Proceedings Of The 6th International School "Synchrotron Radiation ... 2012 (Springer Proceedings In Physics)



## Synopsis

Advances in the synthesis of new materials with often complex, nano-scaled structures require increasingly sophisticated experimental techniques that can probe the electronic states, the atomic magnetic moments and the magnetic microstructures responsible for the properties of these materials. At the same time, progress in synchrotron radiation techniques has ensured that these light sources remain a key tool of investigation, e.g. synchrotron radiation sources of the third generation are able to support magnetic imaging on a sub-micrometer scale. With the Sixth Mittelwahr School on Magnetism and Synchrotron Radiation the tradition of teaching the state-of-the-art on modern research developments continues and is expressed through the present set of extensive lectures provided in this volume. While primarily aimed at postgraduate students and newcomers to the field, this volume will also benefit researchers and lecturers actively working in the field.

## Book Information

Series: Springer Proceedings in Physics (Book 151)

Hardcover: 344 pages

Publisher: Springer; 2013 edition (November 26, 2013)

Language: English

ISBN-10: 3319030310

ISBN-13: 978-3319030319

Product Dimensions: 6.1 x 0.8 x 9.2 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

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