

Scanning Probe Methods Group, Prof. Dr. Roland Wiesendanger

## Publications: Book contributions

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### **Handbook of Spin Transport and Magnetism, 2nd edition**

*E. Y. Tsybal and I. Zutic (eds.),*

CRC Press, Taylor & Francis

Magnetic Skyrmions on Discrete Lattices (2019), ISBN: 978-1439803776

### **Atomic- and Nano-Scale Magnetism**

*and R. Wiesendanger (eds.),*

Springer Nature Switzerland

Magnetic spectroscopy of individual atoms, chains and nanostructures (2018), ISBN: 978-3-319-99557-1

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### **Handbook of Spintronics**

*Y. Xu, D. Awschalom, and J. Nitta (eds.),*

Springer

Atomic-Scale Spintronics (2016), ISBN: 978-94-007-7604-3

### **Reference Module in Materials Science and Materials Engineering Update of Encyclopedia of Materials: Science and Technology (Second Edition), 2015**

*S. Hashmi (ed.),*

Elsevier

Quasicrystals: Magnetism (2016), ISBN: 978-0-12-803581-8

### **Wirtschaftsstandort Hamburg / Schleswig-Holstein**

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Europäischer Wirtschafts-Verlag

Nanotechnologie in Hamburg: neue Impulse für die Datenspeicherung der Zukunft (2016)

### **Non-Contact Atomic Force Microscopy Vol. 3**

*S. Morita, F. J. Giessibl, E. Meyer, and R. Wiesendanger (eds.),*

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Magnetic Exchange Force Spectroscopy (2015), ISBN: 978-3-319-15587-6

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Springer

Revealing Subsurface Vibrational Modes by Atomic-Resolution Damping Force Spectroscopy (2015), ISBN: 978-3-319-15587-6

### **Fundamentals of Picoscience**

*Klaus D. Sattler (ed.),*

CRC Press

Atomic Scale Magnetism Studied by Spin-Polarized Scanning Tunneling Microscopy (2013), ISBN: 9781466505094 (Hardcover), 9781466505100 (eBook)

### **Handbook of Spintronics**

*D. Awschalom, J. Nitta, and Y. Xu (eds.),*  
Canopus Academic Publishing and Springer  
Spin-Polarized STM and Atomic-Scale Spintronics (2012)

### **Characterization of Materials**

*Elton N. Kaufmann (ed.),*  
John Wiley and Sons  
Magnetic Sensitive Scanning Tunneling Microscopy (2012), ISBN: 9780471266969

### **Quantum Materials**

*D. Heitmann (ed.),*  
Springer  
Scanning tunneling spectroscopy on III-V materials: Effects of dimensionality, magnetic field, and magnetic impurities (2010)

### **Quantum Materials**

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Springer  
Scanning tunneling spectroscopy of semiconductor quantum dots and nanocrystals (2010)

### **Springer Handbook of Nanotechnology, 3rd Ed.**

*B. Bhushan (ed.),*  
Springer-Verlag Berlin Heidelberg  
Low temperature scanning probe microscopy (2010), ISBN: 978-3-642-02524-2

### **Noncontact Atomic Force Microscopy, 2nd Ed.**

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*John V. Chang (ed.),*  
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### **Magnetic Microscopy of Nanostructures**

*H. Hopster and H. P. Oepen (eds.),*  
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### **Modern Techniques for Characterizing Magnetic Materials**

*Y. Zhu (ed.),*  
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*R. F. C. Farrow, B. Dieny, M. Donath, B. D. Hermsmeier, and A. Fert (eds.),*

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