Chapter 8: Conferences, Workshops, Schools, Seminars

(shown in chronological order with the speaker named)

8.1 Conferences

8.1.1 Invited talks

B. Hillebrands:
*Dynamics in small magnetic elements for magnetoelectronic applications*
Japan-Germany Joint Workshop, Tokyo, Japan, November 2006

B. Hillebrands:
*Linear and nonlinear optics with new light: optics with spin waves*
International Workshop on Spin Dynamics in Restricted Geometry, Seoul, Korea, May 2007

B. Hillebrands:
*Observation of nonlinear phase splitting of spin-wave packets using phase sensitive Brillouin light scattering spectroscopy*
ISAMMA 2007, Jeju, Korea, May 2007

B. Hillebrands:
*Linear and nonlinear optics with new light: optics with spin waves — plenary talk*
52nd Annual Conference of the South African Institute of Physics (SAIP), Johannesburg, South Africa, July 2007

A.A. Serga:
*Brillouin light scattering spectroscopy of nonliner spin waves*
International Conference “Functional Materials” (ICFM-2007), Partenit, Ukraine, October 2007

B. Hillebrands:
*Linear and nonlinear optics with new light: optics with spin waves — plenary talk*
MML, Perth, Australia, October 2007

8.1.2 Contributed talks and posters

B. Leven:
*Microwave assisted switching in Ni$_{81}$Fe$_{19}$ elements*
10th Joint MMM/Intermag Conference, Baltimore, USA, January 2007

B. Hillebrands:
*Observation of partial decoherence of quantized spin waves in nanoscaled magnetic ring structures*
10th Joint MMM/Intermag Conference, Baltimore, USA, January 2007
8 Conferences, Workshops, Schools, Seminars

J. Hamrle:
*Magnetic and magneto-optical properties of Co$_2$FeSi and Co$_2$Cr$_{0.6}$Fe$_{0.4}$Al Heusler compounds*
$10^{th}$ Joint MMM/Intermag Conference, Baltimore, USA, January 2007

N.A. Sergeeva:
*Self-generation of soliton-like spin wave pulses in magnetic-film-based active ring under external pumping*
$11^{th}$ Colloquium of Louis Néel, Lyon, March 2007

B. Hillebrands:
*Huge quadratic magneto-optical Kerr effect and its modification by ion irradiation in Co$_2$FeSi (100)*
ISAMMA 2007, Jeju, Korea, May 2007

B. Hillebrands:
*Observation of coherence and of partial decoherence of quantized spin waves in nanoscaled magnetic ring structures*
ISAMMA 2007, Jeju, Korea, May 2007

A. Chumak:
*Evolution of magnon spectrum under parallel parametric pumping in perpendicularly magnetized ferrite film*
Seventh International Young Scientists’ Conference on Applied Physics, Kyiv, Ukraine, June 2007

J. Hamrle:
*Unique magnetic and magneto-optical properties of the Co$_2$FeSi Heusler compound and their modification by ion irradiation*
$13^{th}$ Czech and Slovak Conference on Magnetism (CSMAG’07), Košice, Slovakia, July 2007

J. Hamrle:
*Unique magnetic and magneto-optical properties of the Co$_2$FeSi Heusler compound and their modification by ion irradiation*
$1^{st}$ WUN International Conference on Spintronic Materials and Technology, York, UK, August 2007

T. Schneider:
*Phase resolved investigation of spin-wave excitation by microwave pulses*
$3^{rd}$ Seeheim Conference on Magnetism (SCM07), Frankfurt a.M., Germany, August 2007

T.M. Neumann:
*BLS observation of thermal modes in YIG films on GGG substrate*
International Conference “Functional Materials” (ICFM-2007), Partenit, Ukraine, October 2007

O. Gaier:
*Modification of spin-orbital coupling by Ga$^+$ and He$^+$ ion irradiation in the Co$_2$FeSi Heusler compound*
MML, Perth, Australia, October 2007
B. Hillebrands:

*Phase resolved Brillouin light scattering spectroscopy investigation of linear and nonlinear spin wave packets*

MML, Perth, Australia, October 2007

H. Schultheiss:

*Observation of coherence and of partial decoherence of quantized spin waves in nanoscaled magnetic ring structures*

MML, Perth, Australia, October 2007

H. Schultheiss:

*Field dependency of quantized spin waves in nano-scaled magnetic ring structures*

MML, Perth, Australia, October 2007

8.1.3 **Contributions to the DPG Frühjahrstagung**

10 contributions:  DPG Frühjahrstagung, Regensburg, March 2007

8.2 **Workshops and Schools**

8.2.1 **Invited talks**

B. Hillebrands:

*Dynamics in magnetic micro- and nanostructures*

Workshop “Dynamics of Solids”, University of Witwatersrand, Johannesburg, South Africa, July 2007

8.2.2 **Contributed talks and posters**

H. Schultheiss:

*Observation of coherence and of partial decoherence of quantized spin waves in nanoscaled ring structures*

381st WE-Heraeus Seminar, Bad Honnef, January 2007

S. Hermßdorfer:

*Microwave assisted switching in Ni$_{81}$Fe$_{19}$ elements*

Fast Magnetic Imaging Workshop, TU Kaiserslautern, October 2007

S. Hermßdorfer:

*Spin waves in semi-circular Permalloy ring segments in the presence off domain walls*

Fast Magnetic Imaging Workshop, TU Kaiserslautern, October 2007

P. Martín Pimentel:

*Magnetization dynamics in magnetic logic devices*

Fast Magnetic Imaging Workshop, TU Kaiserslautern, October 2007

T. Schneider:

*Phase resolved Brillouin light scattering spectroscopy investigation of linear and nonlinear spin wave packets*

Fast Magnetic Imaging Workshop, TU Kaiserslautern, October 2007
8 Conferences, Workshops, Schools, Seminars

T. Schneider:
Space-, time- and phase-resolved Brillouin light scattering investigations of spin waves
Fast Magnetic Imaging Workshop, TU Kaiserslautern, October 2007

H. Schulthess:
Micro-focus Brillouin Light Scattering Spectroscopy of Magnetization Dynamics in Spin Momentum Transfer Devices
Fast Magnetic Imaging Workshop, TU Kaiserslautern, October 2007

H. Schultheiss:
Observation of coherency and of partial decoherency of quantized spin waves in nanoscaled magnetic ring structures
Fast Magnetic Imaging Workshop, TU Kaiserslautern, October 2007

8.3 Meetings

B. Leven:
Progress of micro-focus Brillouin light scattering spectroscopy
6 Month Meeting SPINSWITCH, Poznan, Poland, March 2007

J. Hamrle:
Spin-orbit coupling and magnetic anisotropy in Co2-based Heusler alloys
Meeting of the DFG Research Unit 559 and 3rd Meeting of NEDO International Joint research, Wiesbaden, September 2007

H. Schultheiss:
Micro-focus Brillouin Light Scattering Spectroscopy of Magnetization Dynamics in Spin Momentum Transfer Devices
Meeting of the DFG Research Unit 559 and 3rd Meeting of NEDO International Joint research, Wiesbaden, September 2007

B. Leven:
Dynamic characterization of TMR- and nanowire logic elements
30 Month Meeting MAGLOG, Orsay, France, October 2007

B. Leven:
Financing and reporting in EU research training networks in the 6th framework programme
12 Month Meeting SPINSWITCH, Lisbon, Portugal, October 2007

8.4 Invited colloquia

B. Hillebrands:
Lineare und nichtlineare Optik mit Spinwellen
Physikal. Kolloq., Technische Universität Braunschweig, Germany, January 2007
B. Hillebrands:
*New aspects of magnetization dynamics: linear and nonlinear optics with spin waves*
Physical Colloquium, University of Poznan, Poland, March 2007

B. Hillebrands:
*Lineare und nichtlineare Optik in neuem Licht: Optik mit Spinwellen*

B. Hillebrands:
*Lineare und nichtlineare Optik in neuem Licht: Optik mit Spinwellen*

B. Hillebrands:
*Physik mit neuem Licht: Optik und Materialwissenschaften mit Spinwellen*
Kolloquium des FB Chemie, TU Kaiserslautern, May 2007

B. Hillebrands:
*Brillouin light scattering spectroscopy: a tool for understanding magnetization dynamics and spin wave physics*
Physical Colloquium, Department of Radiophysics, Kiev Taras Shevchenko National University, Kiev, Ukraine, June 2007

B. Hillebrands:
*Lineare und nichtlineare Optik in neuem Licht: Optik mit Spinwellen*
Kolloquium des SFB 559, Universität Hamburg, July 2007

### 8.5 Seminars

P. Martín Pimentel:
*Micro and nano structures for ultrafast switching studies in SAF element*
Seminar, AG Oesterschulze, TU Kaiserslautern, November 2006

P. Martín Pimentel:
*Magneto-optical studies of the magnetization in Ni$_{81}$Fe$_{19}$ elements*
Seminar, IMEC, Leuven, Belgium, November 2006

S. Hermsdörfer:
*Time resolved measurement techniques: Time resolved MOKE (Microwave assisted switching) & Brillouin light scattering*
Seminar AG Miyazaki/Ando, Tohoku University, Sendai, Japan, November 2006

L. Kleinen:
*Oberflächenmodifikation mit Plasmatechnologie für bio/medizinische Anwendungen*
Seminar, IDST, Rheinbreitbach, Germany, May 2007
8 Conferences, Workshops, Schools, Seminars

B. Hillebrands:
*Linear and nonlinear optics with new light: optics with spin waves*
Seminar, Department of Electrical Engineering, National University of Singapore, October 2007

H. Schultheiss:
*Brillouin Light Scattering Spectroscopy of Magnetization Dynamics in Nano-scaled Devices*
Seminar, AG Stamps, University of Western Australia, Perth, Australia, October 2007

8.6 Contributions to other meetings

S. Hermsdörfer:
*Spin waves in semi-circular Permalloy ring segments in the presence of domain walls*
Berichtskolloquium SPP1133, Bad Honnef, Germany, April 2007

H. Schultheiss:
*Field dependency of quantized spin waves in nano-scaled magnetic ring structures*
Berichtskolloquium SPP1133, Bad Honnef, Germany, April 2007

B. Leven:
*How to characterize MTJs dynamically - an overview on Kerr microscopy and Brillouin light scattering microscopy*
Kick-Off Meeting HEUSPIN, Kahl/Main, Germany, September 2007

8.7 Contributions of the Institute for Thin Film Technology

8.7.1 Contributed talks and posters

L. Kleinen:
*Reduction of crystalline biofilm formation on medical implants by amorphous carbon coatings*
European BioPerspectives 2007, Cologne, Germany, June 2007

L. Kleinen:
*Reduction of crystalline biofilm formation on medical implants by amorphous carbon coatings*

L. Kleinen:
*Ex-vivo investigations on the friction behavior of amorphous carbon coated ureteral stents*
18th European Conference on Diamond, Diamond-Like Materials, Carbon Nanotubes and Nitrides, Berlin, Germany September 2007

8.7.2 Meetings

L. Kleinen:
*Möglichkeiten der Verbesserung der bakterienbiofilmreduzierenden Eigenschaften amorpher Kohlenstoffe durch Wirkstoffankopplung*
6 Month Meetings BIOMINMED, Rheinbreitbach, Germany, July 2007
8.7.3 Contributions to other meetings

5 contributions: Hannover-Messe, Hannover, April 2007
1 contribution: Biotechnica, Hannover, October 2007

8.8 Awards

L. Kleinen: