

Curriculum Vitae

Tim Mewes

Assistant Professor
Department of Physics & Astronomy
The University of Alabama
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Personal information

Date of birth: November 4th 1973
Place of birth: Zweibrücken
Nationality: German
Marital status: married, one child

Professional Preparation

- University of Kaiserslautern, Kaiserslautern, Germany, masters in physics with computer science minor (“Diplom–Physiker, Nebenfach Informatik”) 1999
Advisor: Prof. Dr. B. Hillebrands
- University of Kaiserslautern, Kaiserslautern, Germany, Physics PhD 2002
Advisor: Prof. Dr. B. Hillebrands
- Ohio State University, Columbus, OH, post-doctoral position 2003 - 2005

Academic and Professional Appointments

- October 2005 to present: Assistant Professor, Department of Physics and Astronomy, The University of Alabama, Tuscaloosa, AL.

Honors

- Student-scholarship of the German National Merit Foundation 1993 - 1999
- Kreissparkassenstiftungs Prize, University of Kaiserslautern 2000
- Scholarship for doctoral students of the German National Merit Foundation 1999 - 2002

Active grants

- DARPA: SST-RAM Universal Memory, total budget \$14,659,700, UA budget: \$800,000 over four years 2008 - 2012
- NSF: Spin-diffusion in magnetic multilayer structures (single PI) total budget \$253,825 over three years 2008 – 2011
- NSF: REU supplement (\$9,125) 2009
- NSF/NRI: Spintronic Logic Devices, budget \$325,000 2009 - 2012

Past grants

- UA: Active and collaborative learning in PH106, \$10,400. 2008
- MRSEC-SEED: Combined DC and high frequency measurements of spin-torque effects in GMR/TMR nanoscale devices, \$23,500. 2007
- RAC: Eddy current microscopy investigations of the static properties of ferromagnetic structures, \$5,000 2006

Synergistic Activities

- Member of the [Tricampus Materials Science PhD program](#) at the Universities in Huntsville, Birmingham and Tuscaloosa.
- Director of the UA active & collaborative learning grant for the undergraduate course “General Physics with Calculus II” (2008) aimed mainly at students from engineering.
- Member of the international advisory committee of the [IEEE MML](#) conference in Berkley, CA (2010).
- Chairman of the session “Spin waves and resonances” of the [53rd MMM conference](#), Austin, (2008).
- “Nanodays” community [outreach](#) at the Children’s Hands on Museum, Tuscaloosa (2008).
- Community [outreach](#) to promote the world year of physics during athletic events (2005).
- Supervision of summer research experience for undergraduate students (2006-2009).
- [Science Olympiad](#) - Circuit Lab (2006, 2007), Physics lab (2009).
- Member of the international education committee of the University of Alabama (since 2006)
- Redesigned an interdisciplinary undergraduate & graduate student course “[Digital Electronics and Computer Interfacing](#)” using LabVIEW.
- Member of the organization committee for the [High School Physics Contest](#) of the University of Alabama (2007-2009).
- Member of the international advisory committee of the [IEEE MML](#) conference in Perth, Australia (2007).
- Organizer of the workshop on “[Materials for spin transfer torque MRAM](#)” of the Center for Materials for Information Technology (2008).
- Organizer of the workshop on “[Damping in Magnetic Systems](#)” of the Center for Materials for Information Technology (2007).
- Developed and supervised the development of interactive online physics tutorials, hosted at <http://www.bama.ua.edu/~tmewes/tutorials.shtml>.

Curriculum Vitae

- Reviewer for the following journals:
Physical Review Letters, Physical Review B, Applied Physics Letters, IEEE Transactions on Magnetics, IEEE Journal of Magnetism and Magnetic Materials, European Physical Journal B, Journal of Applied Physics, JVST Letters.
- Reviewer for the following funding agencies/national labs:
National Science Foundation (NSF), German-Israeli Foundation for Scientific Research and Development (GIF), Oak Ridge National Laboratory (ORNL).

Patents

1. Techniques for characterizing the noise properties of tunnel junction film stacks with little or no processing
C.K.A. Mewes, M. Chshiev, P.R. LeClair, W.H. Butler, T. Mewes
Provisional patent (2007).
2. *Wheatstone bridge containing bridge elements consisting of a spin-valve system and a method for producing the same*
A. Ehresmann, W.-D. Engel, J. Fassbender, B. Hillebrands, R. Mattheis, T. Mewes
PCT/EP01/06486 [WO 01/094963] (2001).

Collaborators & Other Affiliations

Recent Research Collaborators:

D.W. Abraham (IBM, Yorktown Heights), Y. Ando (Tohoku University, Japan), Y. Bao (UA), S.A. Batra (Seagate, Pittsburgh), W.H. Butler (UA), E. Chen (Grandis Inc., Milpitas) S.O. Demokritov (University of Münster, Germany), W.F. Egelhoff (NIST, Gaithersburg), A. Ehresmann (University Kassel, Germany), J. Fassbender (FZ Rossendorf, Germany), C. Felser (University Mainz), A. Gupta (UA), S. Gupta (UA), P.C. Hammel (Ohio State University), B. Hillebrands (University of Kaiserslautern, Germany), Y.-K. Hong (UA), C. Kaiser (Western Digital, Fremont), P. LeClair (UA), S. Maat (Hitachi, San Jose), C.K.A. Mewes (UA), S. Mizukami (Tohoku University, Japan), A. Mougin (University Paris-Sud, France) R. Movshovich (Los Alamos National Laboratory), J. Philip (Catholic University, Washington), R.L. Stamps (University of Western Australia), D. Suess (TU Vienna), P. Visscher (UA), P.E. Wigen (Ohio State University), S. Wolf (University of Virginia).

Graduate and Postdoctoral Advisors

B. Hillebrands, University of Kaiserslautern (Germany), graduate advisor.
P.C. Hammel (Ohio State University), postdoctoral advisor.

Peer reviewed publications

1. Magnetization relaxation and structure of CoFeGe alloys
H. Lee, Y.-H. A. Wang, C.K.A. Mewes, W.H. Butler, T. Mewes, S. Maat, B. York, M.J. Carey, J.R. Childress,
[Appl. Phys. Lett. 95, 082502 \(2009\).](#)
2. Origin of low Gilbert damping in half metals
C. Liu, C.K.A. Mewes, M. Chshiev, T. Mewes, W.H. Butler,
[Appl. Phys. Lett. 95, 022509 \(2009\).](#)
3. Growth and characterization of 144 μm thick barium ferrite single crystalline film for microwave device application
J. Jalli, Y.-K. Hong, S. Bae, J.-J. Lee, G. S. Abo, A. Lyle, S.-H. Gee, H. Lee, T. Mewes, J.-C. Sur, S.-I. Lee
[J. Appl. Phys. 15, 07A511 \(2009\).](#)
4. Spin pin-pumping in $\text{Co}_{56}\text{Fe}_{24}\text{B}_{20}$ multilayer systems
H. Lee, L. Wen, M. Pathak, P. Janssen, P. LeClair, C. Alexander, C.K.A. Mewes, T. Mewes
[J. Phys. D 41, 215001 \(2008\).](#)
5. Magnetic and Microwave properties of Sm-doped $\text{SrFe}_{12}\text{O}_{19}$ single crystals
J. Jalli, Y.-K. Hong, S.-H. Gee, S. Bae, J. Lee, J. C. Sur, H. Lee, T. Mewes,
[IEEE Trans. Magn. 44, 2978 \(2008\).](#)
6. Thermal stability of synthetic antiferromagnet and hard magnet coupled spin valves
Z.R. Tadisina, S. Gupta, P. LeClair, T. Mewes
[JVST A 26, 735 \(2008\).](#)
7. Probing arrays of circular magnetic microdots by ferromagnetic resonance
G. N. Kakazei, T. Mewes, P. E. Wigen, P. C. Hammel, A. N. Slavin, Yu. G. Pogorelov, M. D. Costa, V. O. Golub, K. Yu. Guslienko, and V. Novosad,
[J. Nanosci. Nanotechnol. 8, 2811 \(2008\).](#)
8. Detection of higher order modulation harmonics in magnetic resonance force microscopy
T. Mewes, C.K.A. Mewes, E. Nazaretski, J. Kim, K. C. Fong, Y. Obukhov, D.V. Pelekhov, P. E. Wigen, P. C. Hammel,
[J. Appl. Phys. 102, 033911 \(2007\).](#)
9. Ferromagnetic resonance force microscopy on a thin permalloy film
E. Nazaretski, I. Martin, R. Movshovich, D. V. Pelekhov, P. C. Hammel, M. Zalalutdinov, J. W. Baldwin, B. Houston, T. Mewes,
[Appl. Phys. Lett. 90, 234105 \(2007\).](#)

10. Temperature-dependent magnetic resonance force microscopy studies of a thin Permalloy film
E. Nazaretski, J.D. Thompson, R. Movshovich, M. Zalalutdinov, J.W. Baldwin, B. Houston, T. Mewes, D.V. Pelekhov, P.E. Wigen, P.C. Hammel,
[J. Appl. Phys **101**, 074905 \(2007\).](#)
11. Magnetic resonance force microscopy studies in a thin permalloy film
E. Nazaretski, J.D. Thompson, D.V. Pelekhov, T. Mewes, P.E. Wigen, J. Kim, M. Zalalutdinov, J.W. Baldwin, B. Houston, P.C. Hammel, R. Movshovich,
[JMMM **310**, e941-e943 \(2007\).](#)
12. Low Temperature Magnetic Resonance Force Microscope: Design and Performance,
E. Nazaretski, T. Mewes, D. V. Pelekhov, P. C. Hammel, R. Movshovich,
[AIP Conference Proceedings **850**, 1641-1642 \(2006\).](#)
13. Ferromagnetic resonance force microscopy studies of arrays of micron size permalloy dots,
T. Mewes, J. Kim, D. V. Pelekhov, G. N. Kakazei, P. E. Wigen, S. Batra, P. C. Hammel,
[Phys. Rev. B **74**, 144424 \(2006\).](#)
14. Origin of fourfold anisotropy in square lattices of circular ferromagnetic dots
G. N. Kakazei, Yu. G. Pogorelov, M. D. Costa, T. Mewes, P. E. Wigen, P.C. Hammel, V. O. Golub, T. Okuno, V. Novosad,
[Phys. Rev. B **74**, 060406\(R\) \(2006\).](#)
15. Correlation between topography and magnetic surface anisotropy in epitaxial Fe films on vicinal-to-(001) Au surfaces with different step orientation
M. Rickart, T. Mewes, S.O. Demokritov, B. Hillebrands, M. Scheib,
[Phys. Rev. B **70**, 060408\(R\) \(2004\).](#)
16. Separation of the first- and second-order contributions in magneto-optic Kerr effect magnetometry of epitaxial FeMn/NiFe bilayers
T. Mewes, H. Nembach, M. Rickart, B. Hillebrands,
[J. Appl. Phys. **95**, 5324 \(2004\).](#)
17. Exchange bias of antiferromagnets with random anisotropies and perfectly compensated interfaces
T. Mewes, R.L. Stamps,
[Appl. Phys. Lett. **84**, 3840 \(2004\).](#)
18. Induced four fold anisotropy and bias in compensated NiFe/FeMn double layers
T. Mewes, B. Hillebrands, R.L. Stamps,
[Phys. Rev. B **68**, 184418 \(2003\).](#)

19. Phase diagrams and energy barriers of exchange biased bilayers with additional anisotropies in the ferromagnet
T. Mewes, H. Nembach, J. Fassbender, B. Hillebrands, Joo-Von Kim, R.L. Stamps,
[Phys. Rev. B **67**, 104422 \(2003\)](#).
20. Probing the interface magnetism in the FeMn/NiFe exchange bias system using second harmonic generation
L.C. Sampaio, A. Mougin, J. Ferré, P. Georges, A. Brun, H. Bernas, S. Poppe, T. Mewes, J. Fassbender, B. Hillebrands,
[Euro. Phys. Lett. **63**, 819 \(2003\)](#).
21. Ion irradiation of exchange bias systems for magnetic sensor applications
J. Fassbender, S. Poppe, T. Mewes, J. Juraszek, B. Hillebrands, K.-U. Barholz, R. Mattheis, D. Engel, M. Jung, H. Schmoranzer, A. Ehresmann,
[Appl. Phys. A **77**, 51 \(2003\)](#).
22. Tuning exchange bias and coercive fields in ferromagnet/antiferromagnet bilayers with ion irradiation
J. Juraszek, J. Fassbender, S. Poppe, T. Mewes, B. Hillebrands, D. Engel, A. Kronenberger, A. Ehresmann, H. Schmoranzer,
[J. Appl. Phys. **91**, 6896 \(2002\)](#).
23. Angular dependence and phase diagrams of exchange-coupled epitaxial Ni₈₁Fe₁₉/Fe₅₀Mn₅₀(001) bilayer
T. Mewes, H. Nembach, M. Rickart, S.O. Demokritov, J. Fassbender, B. Hillebrands,
[Phys. Rev. B **65**, 224423 \(2002\)](#).
24. Magnetization reversal of exchange bias double layer magnetically patterned by ion irradiation
J. Fassbender, S. Poppe, T. Mewes, A. Mougin, B. Hillebrands, D. Engel, M. Jung, A. Ehresmann, H. Schmoranzer, G. Faini, K. J. Kirk, J. N. Chapman,
[Phys. Stat. Sol. \(a\) **189**, 439-447 \(2002\)](#).
25. Morphology of epitaxial metallic layers on MgO substrates: influence of submonolayer carbon contamination
M. Rickart, B.F.P. Roos, T. Mewes, J. Jorzick, S.O. Demokritov,
[Surf. Sci. **495**, 68-76 \(2001\)](#).
26. Comparative study of the epitaxial growth of Cu on MgO(001) and on hydrogen terminated Si(001)
T. Mewes, M. Rickart, A. Mougin, S.O. Demokritov, J. Fassbender, B. Hillebrands, M. Scheib,
[Surf. Sci. **481**, 87-96 \(2001\)](#).

27. Local manipulation and reversal of the exchange bias field by ion irradiation in FeNi/FeMn double layers
A. Mougin, T. Mewes, M. Jung, D. Engel, A. Ehresmann, H. Schmoranzer, J. Fassbender, B. Hillebrands,
[Phys. Rev. B **63**, 060409\(R\) \(2001\)](#).
28. Modification of the Exchange Bias Effect by He ion Irradiation
A. Mougin, T. Mewes, R. Lopusnik, M. Jung, D. Engel, A. Ehresmann, H. Schmoranzer, J. Fassbender, B. Hillebrands,
[IEEE Trans. Magn. **36**, 2647 \(2000\)](#).
29. Oscillatory exchange bias effect in FeNi/Cu/FeMn and FeNi/Cr/FeMn trilayer systems
T. Mewes, B.F.P. Roos, S.O. Demokritov, B. Hillebrands,
[J. Appl. Phys. **87**, 5064 \(2000\)](#).
30. Suppression of exchange bias by ion irradiation
T. Mewes, R. Lopusnik, J. Fassbender, B. Hillebrands, M. Jung, D. Engel, A. Ehresmann, H. Schmoranzer,
[Appl. Phys. Lett. **76**, 1057 \(2000\)](#).
31. Structure and magnetic properties of exchange-biased polycrystalline Fe/MnPd bilayers
Y.J. Tang, B.F.P. Roos, T. Mewes, A.R. Frank, M. Rickart, M. Bauer, S.O. Demokritov, B. Hillebrands, X. Zhou, B.Q. Liang, X. Chen and W.S. Zhan,
[Phys. Rev. B **62**, 8654 \(2000\)](#).
32. Exchange bias effect and anisotropy analysis of FM/AF bilayers
Y.J. Tang, B.F.P. Roos, T. Mewes, M. Bauer, S.O. Demokritov, B. Hillebrands, W.S. Zhan,
[Mat. Sci. & Eng. B **76**, 59 \(2000\)](#).
33. Enhanced coercivity of exchange-biased Fe/MnPd bilayers
Y.J. Tang, B. Roos, T. Mewes, S.O. Demokritov, B. Hillebrands, Y.J. Wang,
[Appl. Phys. Lett. **75**, 707 \(1999\)](#).

Presentations (since 2005)

2009

1. *Low damping materials & Unidirectional damping in exchange biased structures (invited)*
T. Mewes
Seagate, Bloomington (2009).
2. *Magnetization damping & magnetic resonance force microscopy (invited)*
T. Mewes
IBM T.J. Watson Research Center, Yorktown Heights (2009).
3. *Unidirectional Damping in Exchange Biased Systems*
M. Bradford, H. Lee, E. Edwards, Z. Tadisina, C.K.A. Mewes, S. Gupta,
T. Mewes
APS march meeting, Pittsburgh (2009).
4. *Calculation of intrinsic damping in half metals*
C.Liu, C.K.A. Mewes, M. Chshiev, T. Mewes, W.H. Butler
APS march meeting, Pittsburgh (2009).
5. *In-plane and out-of-plane ferromagnetic resonance investigations of epitaxial CrO₂ (110)*
H. Lee, K. Chetry, C.K.A. Mewes, A. Gupta, T. Mewes
APS march meeting, Pittsburgh (2009).

2008

6. *Damping in Epitaxial CrO₂(110)*
T. Mewes, H. Lee, K. Chetry, C.K.A. Mewes, A. Gupta
MRS fall meeting, Boston (2008).
7. *Calculation of Gilbert Damping in Half Metals*
C.K.A. Mewes, C. Liu, M. Chshiev, T. Mewes, W.H. Butler
MRS fall meeting, Boston (2008).
8. *Structural Properties of Heusler Alloy Thin Films as a Function of Target Preparation, Substrate Conditions and Sputtering Parameters*
S. Gupta, Z.R. Tadisina, X. Li, Y. Inaba, K.L. Torres, G.B. Thompson, T. Mewes,
P. LeClair
MRS fall meeting, Boston (2008).

9. *Magnetization damping in exchange bias systems*
H. Lee, M. Bradford, E. Edwards, Z. Tadisina, C. K. Mewes, S. Gupta, T. Mewes
MMM conference, Austin (2008).
10. *Calculation of intrinsic damping in half metals*
C. K. Mewes, C. Liu, M. Chshiev, T. Mewes, W. H. Butler
MMM conference, Austin (2008).
11. *Growth and Characterization of 144 μm Thick Barium Ferrite Single Crystalline Film for Microwave Device Application*
J. Jalli, Y. Hong, S. Bae, J. Lee, M. Kothakonda, G. S. Abo, A. Lyle, S. Gee,
H. Lee, T. Mewes, J. C. Sur, S. Lee
MMM conference, Austin (2008).
12. *Magnetization Damping in Magnetic Multilayers (invited)*
T. Mewes
AVS 55th International Symposium, Boston (2008).
13. *Low temperature high sensitivity magnetic resonance force microscopy (invited)*
T. Mewes
50th Annual Rocky Mountain Conference on Analytical Chemistry, Breckenridge
(2008).
14. *Magnetic resonance force microscopy – a new tool for spintronics (invited)*
T. Mewes
Simon Fraser University, Vancouver, Canada (2008).
15. *Non-local damping effects in Py-Cu-FeMn trilayers*
E.R.J. Edwards, T. Mewes
UA undergraduate research day, Tuscaloosa (2008).
16. *Non-local damping effects in Py-Cu-FeMn trilayers*
E.R.J. Edwards, T. Mewes
Alabama state system undergraduate research conference, Birmingham (2008).
17. *Evaluation of Gilbert damping in half metals*
C.K.A. Mewes, C. Liu, M. Chshiev, T. Mewes, W. H. Butler
APS March meeting, New Orleans (2008).
18. *Evaluation of Gilbert damping in transition metals using tight binding schemes*
C. Liu, C.K.A. Mewes, M. Chshiev, T. Mewes, W. H. Butler
APS March meeting, New Orleans (2008).
19. *Non-local damping effects in Py-Cu-FeMn trilayers*
E.R.J. Edwards, L. Wen, Z. R. Tadisina, C.K.A. Mewes, S. Gupta, T. Mewes
APS March meeting, New Orleans (2008).

20. *Magnetization damping in epitaxial CrO₂(110)*
H. Lee, K. Chetry, C.K.A. Mewes, A. Gupta, T. Mewes
APS March meeting, New Orleans (2008).

2007

21. *Ferromagnetic resonance force microscopy (invited)*
T. Mewes
Southeastern Magnetic Resonance Conference, Tuscaloosa (2007).
22. *Magnetization damping in CoFeB multilayer systems*
H. Lee, L. Wen, M. Pathak, P. Janssen, P. LeClair, C. Alexander, T. Mewes
Southeastern Magnetic Resonance Conference, Tuscaloosa (2007).
23. *Magnetization damping in epitaxial CrO₂ (110)*
H. Lee, K. Chetry, C. Mewes, T. Mewes, A. Gupta
Southeastern Magnetic Resonance Conference, Tuscaloosa (2007).
24. *Spin-pumping in CoFeB multilayer systems*
H. Lee, L. Wen, M. Pathak, P. Janssen, P. LeClair, C. Alexander, T. Mewes
IEEE MML 2007, Perth, Australia (2007).
25. *Magnetization damping in amorphous and crystalline CoFeB trilayer structures*
M. Pathak, H. Lee, P. Janssen, L. Wen, J.L. Weston, C. Alexander, P. LeClair,
T. Mewes
MMM conference, Tampa (2007).
26. *Microwave and magnetic properties of Mn substituted Zn-Y type barium ferrite single crystals*
J. Jalli, Y.-K. Hong, S.H. Gee, G.S. Abo, H.-M. Han, A. Lyle, T. Mewes
MMM conference, Tampa (2007).
27. *High Frequency Magnetic Properties of Amorphous and Crystalline CoFeB*
M. Pathak, P. Janssen, L. Wen, H. Lee, J.L. Weston, T. Mewes, P. LeClair
AVS 54th International Symposium, Seattle (2007).
28. *Micromagnetic Modeling of Ferromagnetic Resonance in Nonuniform Magnetic Field*
D.V. Pelekhov, I. Martin, Yu. Obukhov, J. Kim, E. Nazaretski, T. Mewes, P.E. Wigen, R. Movshovich, P.C. Hammel
APS March meeting, Denver (2007).
29. *Local investigations of 2 micrometer permalloy dot array using Magnetic resonance force microscopy.*
J. Kim, Yu. Obukhov, D. Pelekhov, T. Mewes, S. Batra, P.E. Wigen, S. An, T.

Curriculum Vitae

Gramila, P.C. Hammel
APS March meeting, Denver (2007).

30. *Ferromagnetic resonance force microscopy of a permalloy film*
E. Nazaretski, I. Martin, J.D. Thompson, R. Movshovich, D.V. Pelekhov, P.C. Hammel, P. Wigen, M. Zalalutdinov, T. Mewes, J. Baldwin, B. Houston
APS March meeting, Denver (2007).

2006

31. *Ion Milled Nanoscale Ferromagnetic Particle Characterization using Cantilever Magnetometry, (Awarded 2nd place)*
R. Steward, P. Banerjee, D.V. Pelekhov, T. Mewes, Yu. Obukhov, P.C. Hammel
Denman Undergraduate Research Forum and Math & Physical Sciences Research Forum, Columbus (2006).
32. *Study of Local Magnetic Dynamics Using Ferromagnetic Resonance Force Microscopy,*
P.C. Hammel, J. Kim, T. Mewes, F. Yang, S. Batra, G.N. Kakazei, P.E. Wigen, Yu. Obukhov, D. Pelekhov
Gordon Research Conference on Magnetic Nanostructures, Oxford, United Kingdom (2006).
33. *Magnetic resonance force microscopy studies in a thin permalloy film,*
E. Nazaretski, J. D. Thompson, D. V. Pelekhov, T. Mewes, P. E. Wigen, J. Kim, M. Zalalutdinov, J. W. Baldwin, B. Houston, P.C. Hammel, R. Movshovich,
International conference on Magnetism, Kyoto, Japan (2006).
34. *Out-of-plane angular dependence of spin-wave spectra in circular magnetic dots,*
G.N. Kakazei, E.V. Tartakovskaya, T. Mewes, P.E. Wigen, V.O. Golub, S. Batra, P.C. Hammel,
Joint European Magnetic Symposia, San Sebastian, Spain (2006).
35. *High Sensitivity Magnetic Resonance Force Microscopy,*
P. Banerjee, Y. Che, K.C. Fong, T. Mewes, V. Bhallamudi, Yu. Obukhov, D.V. Pelekhov, P.C. Hammel,
Kavli Institute at Cornell Summer School, Ithaca, New York (2006).
36. *Ferromagnetic Resonance Imaging with the Magnetic Resonance Force Microscope (invited),*
P.C. Hammel, T. Mewes, J. Kim, D.V. Pelekhov, G. Kakazei, P.E. Wigen, S.A. Batra, Kavli Institute at Cornell Summer School, Ithaca, New York (2006).

37. *Magnetic resonance force microscopy: investigations of a continuous ferromagnetic thin film*,
J. Kim, T. Mewes, F. Yang, P.E. Wigen, Yu. Obukhov, D. Pelekhov, P.C. Hammel
Kavli Institute at Cornell Summer School, Ithaca, New York (2006).
38. *Magnetic resonance force microscopy investigations of a continuous ferromagnetic thin film*,
J. Kim, T. Mewes, F. Yang, P. Wigen, Y. Obukhov, D. Pelekhov, P.C. Hammel,
APS March meeting, Baltimore (2006).
39. *High Sensitivity Magnetic Resonance Force Microscopy*,
P. Banerjee, Y. Che, K.C. Fong, T. Mewes, V. Bhallamudi, Y. Obukhov, D.V. Pelekhov, P.C. Hammel,
APS March meeting, Baltimore (2006).
40. *Progress of Magnetic Force Microscope for detecting spin-polarized electrons in non-magnetic materials*,
V.P. Bhallamudi, Y. Jung, D.V. Pelekhov, Y. Obukhov, P.C. Hammel, T. Mewes
APS March meeting, Baltimore (2006).
41. *Out-of-plane angular dependence of spin-wave spectra in circular magnetic dots*
G.N. Kakazei, E.V. Tartakovskaya, T. Mewes, P.E. Wigen, V.O. Golub, S. Batra,
P.C. Hammel
III Joint European Magnetic Symposia, San Sebastian, Spain (2006).
42. *Low temperature ferromagnetic resonance force microscopy of micron size permalloy dots*,
T. Mewes, G.N. Kakazei, V. Bhallamudi, P. Banerjee, J. Kim, P.E. Wigen,
P.C. Hammel,
MMM conference, San Jose (2005).