Curriculum Vitae of Winfried Teizer

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EDUCATION

1989-1991: Universität Karlsruhe (TH), Germany	Vordiplom (1991)
1991-1997: Universität Karlsruhe (TH), Germany	Diplom (1997)
1992-1993: University of Massachusetts, Amherst	national exchange
1993-1995: University of Massachusetts, Amherst	M.S. (1995)
1995-1998: University of Massachusetts, Amherst	Ph.D. (1998)

APPOINTMENTS

1991-1992: *Assistant Lecturer, Institut für Angewandte Mathematik, Universität Karlsruhe (TH)*
Taught discussion section for mathematics for civil engineering majors

1993-1996: *Teaching Assistant, Physics Department, University of Massachusetts, Amherst*
Taught various physics laboratories and mathematics for business majors

1994-1998: *Research Assistant (Prof. R. B. Hallock), Physics, Univ. of Massachusetts, Amherst*
1-d ^{4}He Adsorbate in Single Wall Carbon Nanotubes, ^{4}He Adsorption to C_{60}

1998-2001: *Postdoc (Prof. R. C. Dynes), Physics, University of California, San Diego*
Coulomb Gap in Density of States of 3-d Gd_xSi_{1-x} at the Metal-Insulator Transition, Josephson Scanning Tunneling Microscope, MicroSQUIDs

2001-2006: *Assistant Professor, Physics, Texas A&M University, College Station (TAMU)*

Since 2003: *Founding Member of the Materials Science and Engineering Interdisciplinary Program* at TAMU

Since 2003: *Founder/Director of Center for Nanoscale Science and Technology (CNST), TAMU*
CNST is sole provider of E-beam lithography services to TAMU community

Since 2004: *Joint Faculty Member, Electrical and Computer Engineering, TAMU*

Since 2006: *Associate Professor, TAMU*
Biomolecular Templating, Motor Proteins, Molecular Magnets, Spin Transfer Compounds, Thin Films, Spin Hall Effect, MicroSQUIDs, Metal-Insulator Transition

2008-2012: *Chair of the Faculty Senate Research Committee, TAMU*

Since 2009: *Foreign Principal Investigator, World Premier International Advanced Institute for Materials Research, Tohoku University, Sendai, Japan*
Biomolecular Templating, Motor Proteins, Molecular Magnets

MAJOR SERVICE APPOINTMENTS

1. Physics Department Graduate Admission Committees (2001-2004)
2. Director of Texas A&M Center for Nanoscale Science and Technolocy (2003-)
3. Several Physics Department Faculty Search Committees (2003-2007)
4. Physics Department Building Committee (2005-2009)
5. Materials Science and Engineering Graduate Admission Committee (2006-2009)
6. Texas A&M Faculty Senator (2007-)
7. University Search Committee for new Director of Information Technology (2007-2009)
8. Research Committee of the Texas A&M University Faculty Senate (2007-)
9. International Programs Subcommittee of the Texas A&M University Faculty Senate (2007-)
10. Chair of the Research Committee of the Texas A&M University Faculty Senate (2008-2012)
11. University Research Council (Advisory Group to the Vice President for Research) (2008-2012)
12. University Search Committee for new Director of the Office of Proposal Development (2009-2010)
13. Search Committee for new Physics Department Head (2010-2011)

LIST OF PEER REVIEWED PUBLICATIONS

Members of Teizer's group in **bold**.

1. *A search for ^4He in C_{60} interstitial sites.* W. Teizer, R. B. Hallock and A. F. Hebard, Czech. J. Phys. **46** S1, 421-422 (1996).

2. *^4He Adsorption and Superfluid Transition on C_{60}.* W. Teizer, R. B. Hallock and A. F. Hebard, J. Low Temp. Phys. **109**, 243-265 (1997).

3. *Thin Film Adsorption of ^4He to C_{60}.* W. Teizer, R. B. Hallock and A. F. Hebard, J. Low Temp. Phys. **110**, 647-652 (1998).

4. *Anomalous ^4He Adsorption to in-situ baked C_{60}.* W. Teizer, R. B. Hallock, Q. M. Hudspeth and A. F. Hebard, J. Low Temp. Phys. **113**, 453-458 (1998).

5. *^4He Desorption from Single Wall Carbon Nanotube Bundles: A One-Dimensional Adsorbate,* W. Teizer, R. B. Hallock, E. Dujardin and T. W. Ebbesen, Phys. Rev. Lett. **82**, 5305-5308 (1999); **84**, 1844-1845 (2000).

6. *Magnetic Field Induced Insulator to Metal Transition in Amorphous-Gd_xSi_{1-x}.* W. Teizer, F. Hellman and R. C. Dynes, Solid State Commun. **114**, 81-86 (2000).

7. *The Density of States of Amorphous Gd_xSi_{1-x} at the Metal Insulator Transition.* W. Teizer, F. Hellman and R. C. Dynes, Phys. Rev. Lett. **85**, 848-851 (2000).

8. *Tunneling into amorphous Gd_xSi_{1-x} at the Metal-Insulator Transition and its Independence of Magnetic Impurities in the Barrier.* W. Teizer, F. Hellman and R. C. Dynes, Proc. 25th Int. Conf. Phys. Semicond., pg. 250-251, Osaka 2000 (Eds. N. Miura and T. Ando), Springer.

9. *The fabrication of reproducible, superconducting scanning tunneling microscope tips.* O. Naaman, W. Teizer and R. C. Dynes, Rev. Sci. Instrum. **72,** 1688-1690 (2001).

10. *Fluctuation Dominated Josephson Tunneling with a Scanning Tunneling Microscope.* O. Naaman, W. Teizer and R. C. Dynes, Phys. Rev. Lett. **87**, 97004-97007 (2001).

11. *Hall Effect Measurements in Amorphous Gd_xSi_{1-x} at the Metal-Insulator Transition.* **W. Teizer**, F. Hellman and R. C. Dynes, Physica E **18**, 266-269 (2003).

12. *Hall Effect at a tunable Metal-Insulator Transition.* **W. Teizer**, F. Hellman and R. C. Dynes, Phys. Rev. B – Rapid Communications **67**, 121102-121105 (2003).

13. *Spin Polarized Tunneling at the Metal-Insulator Transition.* **W. Teizer**, F. Hellman and R. C. Dynes, International Journal of Modern Physics B **17**, 3723-3725 (2003).

14. *Films of molecular magnets deposited by low energy laser ablation.* **J. Means**, **R. Srivastava**, **V. Meenakshi**, **W. Teizer**, H. Zhao, K. Dunbar, Al.A.Kolomenskii and H. A. Schuessler, Journal of Magnetism and Magnetic Materials **284**, 215-219 (2004).

15. *Spin-Hall and spin-diagonal conductivity in the presence of Rashba and Dresselhaus spin-orbit coupling*. N. A. Sinitsyn, E. M. Hankiewitz, **Winfried Teizer** and Jairo Sinova, Phys. Rev. B – Rapid Communications **70**, 081312-081315 (2004).

16. *Films of Mn_{12}-Acetate by Pulsed Laser Evaporation.* **V. Meenakshi**, **W. Teizer**, D. Naugle, H. Zhao and K. Dunbar, Solid State Communications **132**, 471-476 (2004).

17. *Variation of the Density of States in Amorphous GdSi at the Metal-Insulator Transition*. L. Bokacheva, **W. Teizer**, F. Hellman and R. C. Dynes, Phys. Rev. B. **69**, 235111-235117 (2004).

18. *Undergraduate Educational Components for Nanoscale Issues in Manufacturing*. J. Froyd, T. Creasy, I. Karaman, **W. Teizer** and R. Caso, Proceedings of the 2004 American Society for Engineering Education Annual Conference & Exposition, 2004 http://www.asee.org/acPapers/2004-541_Final.pdf.

19. *Lithographic Patterns of Molecular Magnets*. **K. Kim**, **D. Seo**, **J. Means**, **V. Meenakshi**, **W. Teizer**, H. Zhao, K. Dunbar, Applied Physics Letters **85**, 3872-3874 (2004).

20. *Metallurgy in a Beaker: Nanoparticle Toolkit for the Rapid Low-Temperature Solution Synthesis of Functional Multimetallic Solid-State Materials.* Raymond E. Schaak, Amandeep K. Sra, Brian M. Leonard, Robert E. Cable, John C. Bauer, Yi-Fan Han, **Joel Means**, **Winfried Teizer**, Yolanda Vasquez, Edward S. Funck, Journal of the American Chemical Society **127**, 3506 - 3515 (2005).

21. *Enhanced Magnetic Anisotropy of Mn_{12}-acetate.* **D. Seo**, **V. Meenakshi**, **W. Teizer**, H. Zhao and K. Dunbar, Journal of Magnetism and Magnetic Materials, **301/1**, 31-36 (2006).

22. *Challenges in Patterning Mn_{12}-Acetate Thin Films by Electron-Beam Lithography*. **K. Kim**, **A. Ford**, **V. Meenakshi**, **W. Teizer**, H. Zhao, and K. R. Dunbar, American Institute of Physics Proceedings, **850** 1139 (2006).

23. *Improved Fitting of the Spin Polarized Tunneling Conductance near the Metal-Insulator Transition*. **W. Teizer**, **R. Srivastava**, F. Hellman and R. C. Dynes, American Institute of Physics Proceedings, **850** 1490 (2006).

24. *Magnetic Relaxation and Magnetic Moment of Mn12-Acetate Film Material*. **D.M. Seo**, **V. Meenakshi**, **W. Teizer**, Hanhua Zhao, Kim Dunbar, American Institute of Physics Proceedings, **850** 1137 (2006).

25. *Enhanced Alignment of Mn_{12}-acetate Microcrystals*. **D. Seo**, **W. Teizer**, H. Zhao, and K. R. Dunbar, Journal of Magnetism and Magnetic Materials **312/1**, 205-209 (2007).

26. *Nanopatterning of Mn_{12}-acetate Single-Molecule Magnet Films*. **K. Kim**, **A. Ford**, **V. Meenakshi**, **W. Teizer**, H. Zhao, and K. R. Dunbar, J. Applied Physics **102**, 094306 (2007).

27. *Analytic Density of States in the Abrikosov-Gorkov Theory*. **R. V. A. Srivastava** and **W. Teizer**, Solid State Communications **145**, 512 (2008).

28. *Magnetic alignment of Mn_{12}-ac micro-crystals*. **D. Seo** and **W. Teizer**, Physica B **403**, 1127 (2008).

29. *Using AG theory to model a S/I/N Tunnel Junction*. **R. V. A. Srivastava**, **W. Teizer**, F. Hellman, R. C. Dynes, Physica B **403**, 1321 (2008).

30. *Nanowear of gold and silver against silicon*. **L. Peng**, H. Lee, **W. Teizer**, H.Liang, Wear **267**, 1177 (2009).

31. *Surface Manipulation of Microtubules Using Self-Assembled Monolayers and Electrophoresis*. **John A. Noel**, **Winfried Teizer**, and Wonmuk Hwang, ACS Nano **3**, 1938 (2009). http://pubs.acs.org/doi/abs/10.1021/nn900325m

32. *Antifouling Self-assembled Monolayers on Microelectrodes for Patterning Biomolecules*. **John Noel**, **Winfried Teizer**, and Wonmuk Hwang, Journal of Visualized Experiments 30. http://www.jove.com/index/details.stp?id=1390 (2009).

33. *Nanotechnology: Benefits, Barriers, and Impact on Construction*. M. Venugopal, J. Teizer, and **W. Teizer**. Proceedings of the Construction Research Congress (2009), 447-456.

34. *Interactions and Spectral Gaps of Surface Plasmon Modes in Gold Nano-Structures*. Alexandre Kolomenskii, Siying Peng, Jeshurun Hembd, Andrei Kolomenski, **John Noel**, James Strohaber, **Winfried Teizer** and Hans Schuessler, Optics Express **19**, 7, 6587-6598 (2011).

35. *Construction of Molecular Shuttles Based on Kinesin Motor Proteins and Microtubules*, **Daniel Oliveira**, Kim Domyoung, Mitsuo Umetsu, Tadafumi Adschiri and **Winfried Teizer**, in MRS proceedings (2011), 1316:mrsf10-1316-qq06-12 doi:10.1557/opl.2011.519.

36. *Stopped-Flow Studies of the Formation of Organic Nanocrystals in the Reprecipitation Method*, **Daniel Oliveira**, Koichi Baba, **Winfried Teizer**, Hitoshi Oikawa and Hachiro Nakanishi, pgs. 165-184 in Nanocrystals, editor Yoshitake Masuda, 2011. http://www.intechopen.com/articles/show/title/stopped-flow-studies-of-the-formation-of-organic-nanocrystals-in-the-reprecipitation-method.

37. *Quantum Dot Motion on Microtubules*. **Aurélien Sikora**, **Daniel Oliveira**, **Kyongwan Kim**, **Andrew L. Liao**, Mitsuo Umetsu, Izumi Kumagai, Tadafumi Adschiri, Wonmuk Hwang and **Winfried Teizer**, Chemistry Letters **41**, 1215 (2012).

38. *The assembly of kinesin-based nanotransport systems*. **D. Oliveira**, D.-M. Kim, M. Umetsu, T. Adschiri and **W. Teizer**, J. Applied Physics **112**, 124703 (2012).

39. *Nanotechnology and Its Impact on Construction: Bridging the Gap Between Researchers and Industry Professionals*. Jochen Teizer, Manu Venugopal, **Winfried Teizer**, and Jakub Felkl, http://dx.doi.org/10.1061/(ASCE)CO.1943-7862.0000467. J. Constr. Eng. Manag. **138**, 594-604 (2012).

40. *STM Studies of Isolated Mn12-Ph Single Molecule Magnets*. **K. Reaves**, **K. Kim**, K. Iwaya, T. Hitosugi, Helmut G. Katzgraber, H. Zhao, K. R. Dunbar, **W. Teizer**, SPIN **03**, 1350004 (2013). http://dx.doi.org/10.1142/S2010324713500045.

41. *Manipulating superconducting films with magnetic nanostripes*. **W. Bang**, K. Kim, D. Rathnayaka, **W. Teizer**, I.F. Lyuksyutov and D.G. Naugle. Physica C – Superconductivity (2013). http://dx.doi.org/10.1016/j.physc.2013.03.035

42. *The effect of electron induced hydrogenation of graphene on its electrical transport properties*. **Sung Oh Woo** and **Winfried Teizer**. Applied Physics Letters **103**, 041603 (2013). http://dx.doi.org/10.1063/1.4816475

43. *2D molecular magnets with weak topological invariant magnetic moments: Mathematical prediction of targets for chemical synthesis*. Daniel M. Packwood, **Kelley T. Reaves**, Filippo L. Federici, Helmut G. Katzgraber and **Winfried Teizer**. Proc. R. Soc. A **469**, 20130373 (2013).

44. *Molecular Motor-Powered Shuttles along Multi-walled Carbon Nanotube Tracks*. **Aurelien Sikora**, Javier Ramon, **Kyongwan Kim**, **Kelley Reaves**, Hikaru Nakazawa, Mitsuo Umetsu, Izumi Kumagai, Tadafumi Adschiri, Hitoshi Shiku, Tomokazu Matsue, Wonmuk Hwang and **Winfried Teizer**. Nano Letters (2014).

OTHER PUBLICATIONS

Members of Teizer's group in **bold**.

1. *Search for Intercalation of ^{4}He into C_{60}.* W. Teizer, R. B. Hallock and A. F. Hebard, Bull. APS **41**, 39 (1996).

2. *^{4}He Filme auf kristallinem C_{60} – ^{4}He Films on crystalline C_{60}.* W. Teizer, Diplomarbeit, Universität Fridericiana Karlsruhe, Germany (1997).

3. *^{4}He Adsorption to Fullerenes.* W. Teizer, Ph. D. Thesis, University of Massachusetts, Amherst, USA (1998).

4. *^{4}He Desorption from Single Wall Carbon Nanotube Bundles.* W. Teizer, R. B. Hallock, E. Dujardin and T. W. Ebbesen, Bull. APS **44**, 519 (1999).

5. *Magnetic Field Change of the Density of States of Amorphous-Gd_xSi_{1-x} at the Metal Insulator Transition.* W. Teizer, F. Hellman and R. C. Dynes, Bull. APS **45**, 611 (2000).

6. *The Density of States of Amorphous Gd_xSi_{1-x} at the Metal-Insulator Transition.* W. Teizer, Bull. APS **46**, 851 (2001).

7. *Reproducible fabrication and applications of superconducting scanning tunneling microscope tips.* O. Naaman, W. Teizer and R. C. Dynes, Bull. APS **46**, 732 (2001).

8. *Hall Effect Measurements in Amorphous Semiconductors at the Metal-Insulator Transition.* W. Teizer, G. Malardier, F. Hellman and R. C. Dynes, Bull. APS **46**, 1157 (2001).

9. *The simultaneous Measurement of the Density of States and the Conductivity at the Metal-Insulator Transition and Implications for the Scaling Theory.* R.C. Dynes, F. Hellman and **W. Teizer**, Bull. APS **47**, 166 (2002).

10. *Hall Effect and Spin Polarized Tunneling of a-Gd_xSi_{1-x} at the Metal-Insulator Transition.* **W. Teizer**, F. Hellman and R. C. Dynes, Bull. APS **47**, 522 (2002).

11. *Josephson Scanning Tunneling Microscope.* O. Naaman, W. Teizer and R. C. Dynes, Bull. APS **47**, 982 (2002).

12. *Matrix assisted pulsed laser deposition of Mn_{12}-acetate molecular magnet films.* **V. Meenakshi**, **W. Teizer**, K.D.D. Rathnayaka, D. Naugle, H. Zhao and K. Dunbar. Bull. APS **48**, 1019 (2003).

13. *Magnetic properties of Mn_{12}-acetate films*. **V. Meenakshi**, **W. Teizer**, D. G. Naugle, H. Zhao and K. R. Dunbar. Bull. APS **49**, 192 (2004).

14. *Pulsed Laser Deposition of Mn_{12}-acetate Films using a Nitrogen Laser*. **J. Means**, **R. Srivastava**, **V. Meenakshi**, **W. Teizer**, H. Zhao, K. Dunbar, Al.A.Kolomenskii and H. A. Schuessler. Bull. APS **49**, 191 (2004).

15. *Fabrication of Mn_{12}-acetate Molecular Magnet Thin Films by the Dip-and-Dry Method*. **D.M. Seo**, **M. Viswanathan**, **W. Teizer**, H. Zhao and K. R. Dunbar. Bull. APS **49**, 628 (2004).

16. *A Simple Way to Pattern Mn_{12}-acetate Thin Films*. **K. Kim**, **D.M. Seo**, **J. Means**, **M. Viswanathan**, **W. Teizer**. Bull. APS **49**, 191 (2004).

17. *The Spin Polarization at the Metal-Insulator Transition*. **R.V.A. Srivastava**, **W. Teizer**, F. Hellman and R.C. Dynes. Bull. APS, Texas Section Fall Meeting, pg. 36 (2005).

18. *Alignment of Mn_{12}-Acetate in Suspension*. **D. Seo** and **W. Teizer**. Bull. APS **51**, 991 (2006).

19. *Magnetization Measurements of Mn_{12}-acetate Thin Films*. **T. Wellington**, A. Yamaguchi, K. Suzuki, H. Ishimoto, **J. Means**, **W. Teizer**. Bull. APS, Texas Section Fall Meeting (2006).

20. *Use of Abrikosov-Gorkov Density of State to Extract Spin Polarization at the Metal-Insulator Transition*. **R. V. A. Srivastava** and **W. Teizer**. Bull. APS **52**, 505 (2007).

21. *Interactions Between Thin Metallic Films and Mn_{12}-Acetate*. **Joel Means**, **Winfried Teizer** and Kim R. Dunbar. Bull. APS **52**, 334 (2007).

22. *Observation of self-assembled Mn_{12}-ac Molecules on Highly Ordered Pyrolytic Graphite*. **D. Seo** and **W. Teizer**. Bull. APS **52**, 226 (2007).

23. *Mechanical Characterization of Surface-Bound Microtubules Using Self-Assembled Monolayers and Electric Fields*. **J. Noel**, **W. Teizer** and W. Hwang, Bulletin of the 44th Technical Meeting of the Society of Engineering Science (2007).

24. *Magnetocrystalline and Shape Anisotropy in Mn_{12}-acetate Micro-Crystals*. **D. Seo**, **W. Teizer**, H. Zhao, K. Dunbar. Bulletin APS (2007), http://meetings.aps.org/Meeting/TSF07/Event/74211.

25. *The interaction between superconductors and Mn_{12}-acetate single-molecule magnets*. **K. Kim**, **J. Means**, **W. Teizer**. Bulletin APS (2007), http://meetings.aps.org/Meeting/TSF07/Event/74293.

26. *Surface Engineering for Microtubule Manipulation*. **J. Noel**, **W. Teizer**, W. Hwang. Bulletin APS (2007), http://meetings.aps.org/Meeting/TSF07/Event/74166.

27. *Metal-Insulator Transition in thin Gadolinium Films*. **Raj V.A. Srivastava**, **Aaron Collier**, D.G. Naugle, **Winfried Teizer**. Bulletin APS (2007), http://meetings.aps.org/Meeting/TSF07/Event/74288.

28. *Electrophoretic Adsorption of Microtubules on Patterned Surfaces*. **J. Noel**, **W. Teizer** and W. Hwang. Bulletin of the Biophysical Society Meeting (2008).

29. *Electronic Interactions between Gold films and Prussian Blue Analogs*. **T. Wellington**, **A. Ford**, M. Hilfiger, C. Avendano, K. Dunbar, **W. Teizer**. Abstract for Materials Science IGERT Workshop, University of Oregon (2008).

30. *Electronic Transport studies on the Magnetic Center of the Prussian Blue Analog Fe^{II}-Cr^{III}*. **T. Wellington**, C. Avendano, K. Dunbar, **W. Teizer**; Bulletin of the International Conference on Low Temperature Physics (LT25), Amsterdam, Netherlands (2008).

31. *Nanotechnology and its Impact on Construction*. J. Teizer, **W. Teizer**, M. Venugopal, B. Sandha. Research Report 251 to the Construction Industry Institute (CII), Austin, TX (2008).

32. *Electronic Interactions between Au Films and the Prussian Blue Analog $Co_3[Os(CN_6)]_2$*. **T. Wellington**, M. Hilfiger, **A. Ford**, C. Avendano, K. Dunbar, **W. Teizer**. Bull. APS (2009). http://meetings.aps.org/link/BAPS.2009.MAR.B29.13

33. *Electronic Behavior of the Prussian Blue Analog $Co_3[Os(CN_6)]_2$ at Low Temperatures*. **T. Wellington**, **A. Ford**, **W. Teizer**, M. Hilfiger, C. Avendano, K. Dunbar. Bulletin APS (2009), http://meetings.aps.org/Meeting/TSF09/Event/113832

34. *Construction of Molecular Shuttles Based on Kinesin Motor Proteins and Microtubules*, **Daniel Oliveira**, Kim Domyoung, Mitsuo Umetsu, Tadafumi Adschiri and **Winfried Teizer**, MRS Proceedings (2011), 1316, mrsf10-1316-qq06-12 doi:10.1557/opl.2011.519.

35. *STM studies of Mn_{12}-Ac and Mn_{12}-Ph*, **K. Reaves**, **K. Kim**, Y.G. Kim, K. Itaya, K. Iwaya, T. Hitosugi, **W. Teizer**, Proceedings of the Global Center of Excellence Summer School (2011).

36. *Study of Motor Protein Motion on Microtubules*. **Andrew Liao**, **Aurélien Sikora**, **Daniel Oliveira**, **Kyongwan Kim**, Mitsuo Umetsu, Tadafumi Adschiri, **Winfried Teizer**. Proceedings of the Global Center of Excellence Summer School (2011).

37. *Construction of Quantum Dot Micro/Nano-track as a Seedbed for Kinesin Motor Proteins.* **K. Kim**, **A. L. Liao**, **A. Sikora**, **D. Oliveira**, M. Umetsu, T. Adschiri, W. Hwang, **W. Teizer**. Bull. APS (2012).

38. *Motion observation and SPR measurements of kinesin motility on microtubules*. **A. Sikora**, **D. Oliveira**, **K. Kim**, **A.L. Liao**, M. Umetsu, T. Adschiri, W. Hwang, **W. Teizer**. Bull. APS (2012).

39. *STM Studies of Mn_{12}-Ph on Highly Oriented Pyrolytic Graphite*. **K. Reaves**, **K. Kim**, K. Iwaya, T. Hitosugi, Y.G. Kim, K. Itaya, H. Zhao, K.R. Dunbar, H.G. Katzgraber, **W. Teizer**. Bull. APS (2012).

40. *Study of quantum dot motion and binding to kinesin motor protein.* **Aurélien Sikora**, **D. Oliveira**, **K. Kim**, **A. L. Liao**, M. Umetsu, I. Kumagai, T. Adschiri, W. Hwang, **W. Teizer**. Proceedings of the International Association of Colloid and Interface Scientists Conference (2012).

41. *Challenges in Indentifying Individual Mn_{12} Molecules on a HOPG Surface.* **K. Kim**, **A. L. Liao**, **A. Sikora**, **D. Oliveira**, M. Umetsu, T. Adschiri, W. Hwang, **W. Teizer**. Proceedings of the International Association of Colloid and Interface Scientists Conference (2012).

42. *Single Molecule Magnet Mn12-Ph on Highly Oriented Pyrolytic Graphite*. **K. Reaves**, H. Zhao, K.R. Dunbar, H. Katzgraber, **K. Kim**, Y.G. Kim, K. Itaya, K. Iwaya, T. Hitosugi, **W. Teizer**. Proceedings of the Deutsche Gesellschaft für Materialkunde (2012).

43. *Using Biomotors as Functional Nanotransporters*. **W. Teizer**, **A. Sikora**, **D. Oliveira**, **K. Kim**, M. Umetsu, T. Adschiri, **A. Liao**, W. Hwang. Proceedings of the Deutsche Gesellschaft für Materialkunde (2012).

44. *Low Temperature Scanning Tunneling Microscope Studies of Single Molecule Magnets*. **K. Reaves**, **Kyon. Kim**, K. Iwaya, T. Hitosugi, H. Katzgraber, H. Zhao, K. Dunbar, **W. Teizer**. Proceedings of the International Conference of the Asian Union of Magnetics Society (2012).

45. *On the Assembly of Kinesin-based Nanotransport Systems*. **Daniel Oliveira**, Mitsuo Umetsu, Tadafumi Adschiri, **Winfried Teizer**. Proceedings MRS Fall Meeting (2012).

46. *Properties of Superconducting Thin Films covered by Periodic Ferromagnetic Stripes*. **W. Bang**, D. Rathnayaka, I.F. Lyuksyutov, **W. Teizer** and D.G. Naugle. Proceedings of the 12th Joint MMM/Intermag Conference (2013, Chicago, IL).

47. *Glass micro-wire track for guiding kinesin-powered gliding movement of microtubules*. **K. Kim**, **A. L. Liao**, **A. Sikora**, **D. Oliveira**, M. Umetsu, **W. Teizer**. Proceedings of the Third International Conference on Multifunctional, Hybrid and Nanomaterials (2013).

48. *Nanotransport Using The Kinesin Motor Protein*. **A. Sikora**, J. Ramon-Azcon, **D. Oliveira**, **K. Kim**, **A. L. Liao**, **W. Teizer**. Proceedings of the Third International Conference on Multifunctional, Hybrid and Nanomaterials (2013).

49. *STM Studies of Mn_{12}-Ph*. **K. Reaves**, **K. Kim**, K. Iwaya, T. Hitosugi, H. Zhao, K.R. Dunbar, H.G. Katzgraber, **W. Teizer**. Bulletin of the American Physical Society (2013).

50. *Glass micro-wire track for guiding kinesin-powered gliding movement of microtubules*. **K. Kim**, **A. L. Liao**, **A. Sikora**, **D. Oliveira**, M. Umetsu, I. Kumagai, T. Adschiri, W. Hwang, **W. Teizer**. Bulletin of the American Physical Society (2013).

51. *Nanotransport Using The Kinesin Motor Protein*. **A. Sikora**, J. Ramon-Azcon, **D. Oliveira**, **K. Kim**, **A. L. Liao**, M. Umetsu, T. Adschiri, I. Kumagai, W. Hwang, **W. Teizer**. Bulletin of the American Physical Society (2013).

52. *On the Assembly of Kinesin-based Nanotransport Systems*. **Daniel Oliveira**, Domyoung Kim, Mitsuo Umetsu, Tadafumi Adschiri, **Winfried Teizer**. Bulletin of the American Physical Society (2013).

53. *Electron Irradiation of Graphene Field Effect Transistor Devices***. Sung Oh Woo** and **Winfried Teizer**. MRS Online Proceedings Library (2013), 1549, mrss13-1549-p05-60 doi:10.1557/opl.2013.946.

INVITED PRESENTATIONS (PRESENTER UNDERLINED)

Members of Teizer's group in **bold**.

1. Department Colloquium at Kent State University (2000, Kent, OH, USA): *The Density of States at the Metal Insulator Transition*, **W. Teizer**.

2. Invited Talk at the March Meeting of the American Physical Society (2001, Seattle, WA, USA): *The Density of States of Amorphous Gd_xSi_{1-x} at the Metal Insulator Transition*, **W. Teizer**.

3. Department Colloquium at Boston College (2001, Boston, MA, USA): *The Density of States at the Metal Insulator Transition*, **W. Teizer**.

4. Condensed Matter Seminar at Boston University (2001, Boston, MA, USA): *The Density of States of Amorphous Gd_xSi_{1-x} at the Metal Insulator Transition*, **W. Teizer**.

5. Department Colloquium at the University of Vermont (2001, Burlington, VT, USA): *The Density of States at the Metal Insulator Transition*, **W. Teizer**.

6. Department Colloquium at the University of Georgia (2001, Athens, GA, USA): *The Density of States at the Metal Insulator Transition*, **W. Teizer**.

7. Department Colloquium at the University of Virginia (2001, Charlottesville, VA, USA): *The Density of States at the Metal Insulator Transition*, **W. Teizer**.

8. Department Colloquium at McMaster University (2001, Hamilton, ON, Canada): *The Density of States at the Metal Insulator Transition*, **W. Teizer**.

9. Department Colloquium at Texas A&M University (2001, College Station, TX, USA): *The Density of States at the Metal Insulator Transition*, **W. Teizer**.

10. Condensed Matter Seminar at the University of Texas at Austin (2001, Austin, TX, USA): *The Density of States at the Metal Insulator Transition*, **W. Teizer**.

11. Condensed Matter Seminar at the Universität Karlsruhe (2002, Karlsruhe, Germany): *The Density of States at the Metal Insulator Transition*, **W. Teizer**.

12. Condensed Matter Seminar at the Centre Nationale de Recherche Scientifique (2002, Grenoble, France): *The Density of States at the Metal Insulator Transition*, **W. Teizer**.

13. Condensed Matter Seminar at the Universität Hannover (2002, Hannover, Germany): *The Density of States at the Metal Insulator Transition*, **W. Teizer**.

14. Invited Talk at the 23rd International Conference for Low Temperature Physics (2002, Hiroshima, Japan): *The Density of States in the Quantum Critical Regime*, **W. Teizer**.

15. Mechanical Engineering Seminar at Texas A&M University (2003, College Station, TX, USA): *Electronic Properties and some unusual Ramifications*, **W. Teizer**.

16. Department Colloquium at Baylor University (2003, Waco, TX, USA): *Spin-Phenomena – From the Metal-Insulator Transition to Molecular Magnets*, **W. Teizer**.

17. Department Colloquium at Trinity University (2004, San Antonio, TX, USA): *Single Molecule Magnets – The Ultimate Frontier in Magnetism*, **W. Teizer**.

18. Colloquium at the Institute for Solid State Physics (2004, Tokyo, Japan): *Single Molecule Magnets – The Ultimate Frontier in Magnetism*, **W. Teizer**.

19. Seminar, Department of Advanced Materials Science, Tokyo University (2004, Tokyo, Japan): *Single Molecule Magnets – The Ultimate Frontier in Magnetism*, **W. Teizer**.

20. Materials Science Division Seminar, Argonne National Laboratory (2005, Argonne, IL, USA): *Thin Films of Molecular Magnets*, **W. Teizer**.

21. Condensed Matter Science Division Seminar, Oak Ridge National Laboratory (2005, Oak Ridge, TN, USA): *Films of Molecular Magnets - Imaging and Characterization*, **W. Teizer**.

22. Condensed Matter Seminar at Ohio University (2005, Athens, OH, USA): *Thin Films of Molecular Magnets*, **W. Teizer**.

23. Condensed Matter Seminar at Prairie View A&M University (2005, Prairie View, TX, USA): *Thin Films of Molecular Magnets*, **W. Teizer**.

24. Condensed Matter Seminar at the Centre Nationale de Recherche Scientifique (2005, Grenoble, France): *Thin Films of Molecular Magnets*, **W. Teizer**.

25. Invited Talk at International Conference on "Single Molecule Magnets and Hybrid Magnetic Nanostructures" (2005, Trieste, Italy): *Thin Films of Molecular Magnets*, **W. Teizer**.

26. Condensed Matter Seminar at the University of Massachusetts, Amherst (2005, Amherst, MA, USA): *Thin Films of Molecular Magnets*, **W. Teizer**.

27. Department Colloquium at Texas A&M University (2005, College Station, TX, USA): *Thin Films of Molecular Magnets*, **W. Teizer**.

28. Department Colloquium at the University of Texas at Arlington (2005, Arlington, TX, USA): *Thin Films of Molecular Magnets*, **W. Teizer**.

29. Seminar at the Johannes Kepler Universität Linz (2006, Linz, Austria): The Metal-Insulator Transition in amorphous Gd_xSi_{1-x}, **W. Teizer**.

30. Seminar at the National Research Institute Seibersdorf (2006, Vienna, Austria): *Molecular Magnets in reduced dimensions*, **W. Teizer**.

31. Common Seminar on Solid State Physics of the Forschungszentrum Karlsruhe and the Universität Karlsruhe (2006, Karlsruhe, Germany): *Molecular Magnets in reduced dimensions*, **W. Teizer**.

32. Seminar at the National Institutes of Natural Sciences, Institute of Molecular Sciences (2006, Okazaki, Japan): *Molecular Magnets in reduced dimensions*, **W. Teizer**.

33. Seminar at the Karl-Franzens-Universität Graz (2008, Graz, Austria): *Thin Films of Molecular Magnets*, **W. Teizer**.

34. Department Colloquium at Baylor University (2008, Waco, TX, USA): *How do surfaces affect the properties of complex molecules*, **W. Teizer**.

35. Institute Seminar at TAGEN, Tohoku University (2009, Sendai, Japan): *Molecular Magnets in Reduced Dimensions*, **W. Teizer**.

36. World Premier Institute Joint Seminar at Tohoku University (2009, Sendai, Japan): *Microtubule Patterning and Manipulation using Self-assembled Monolayers and Electrophoresis*, **W. Teizer**.

37. Institute Seminar at Tohoku University (2009, Sendai, Japan): *Microtubule Patterning and Manipulation using Self-assembled Monolayers and Electrophoresis*, **W. Teizer**.

38. Institute Seminar at Tohoku University (2009, Sendai, Japan): *Molecular Magnets in Reduced Dimensions*, **W. Teizer**.

39. Invited Talk at "Supergreen 2009 – International Conference on Supercritical Fluids" (2009, Sendai, Japan): *Biomotility and Nanoparticles – A Marriage with Potential*, **W. Teizer**.

40. Invited World Premier Institute Program Review Talk (2010, Sendai, Japan): *Lab-on-a-Chip Molecular Sorting Machines – An Interdisciplinary Project with International Integration*, **W. Teizer**.

41. Invited Talk at 2011 WPI-AIMR Workshop (2011, Sendai, Japan). *Biomotility of Motorproteins – Applications for Green Materials*, **W. Teizer**.

42. Invited Talk at 4th Nano-Interfaces Research Group Meeting (2011, Sendai, Japan). *Biomotility of Motorproteins – When surfaces and biosystems meet*, **W. Teizer**.

43. Invited Talk at the Global Center of Excellence Workshop (2011, Sendai, Japan): *STM Studies of Mn_{12} Ligand Variants*. **K. Reaves**, **K. Kim**, Y.G. Kim, K. Itaya, K. Iwaya, T. Hitosugi, **W. Teizer**.

44. Invited Talk at the Global Center of Excellence Workshop (2011, Sendai, Japan): *Study of Microtubule and Motor Protein Motion*. **Andrew Liao**, **Aurélien Sikora**, **Daniel Oliveira**, **Kyongwan Kim**, Mitsuo Umetsu, Tadafumi Adschiri, **Winfried Teizer**.

45. Invited Joint Seminar at the Institut für Grenzflächen, Nanomaterialien und Biophysik, Technische Universität Kaiserslautern and the Institut für Oberflächen- und Schichtanalytik (2012, Kaiserslautern, Germany): *Molekulare Oberflächen*. **Winfried Teizer**.

46. Invited Seminar at the Institute of Materials Science and Technology, Friedrich Schiller Universität (2012, Jena, Germany): *Molekulare Oberflächen*. **Winfried Teizer**.

47. Sonderkolloquium des Sonderforschungsbereichs Bauteiloberflächen, Technische Universität Kaiserslautern (2013, Kaiserslautern, Germany): *Lab-on-a-Chip Transport Devices based on Molecular Motors*. **Winfried Teizer**.

OTHER FORMAL PRESENTATIONS (PRESENTER UNDERLINED)

Members of Teizer's group in **bold**.

1. Talk at the March Meeting of the American Physical Society (1996, St. Louis, MO, USA): S*earch for Intercalation of ^{4}He into C_{60}.* W. Teizer, R. B. Hallock and A. F. Hebard.

2. Poster at the 21st International Conference on Low Temperature Physics (1996, Prague, Czech Republic): *A search for ^{4}He in C_{60} interstitial sites.* W. Teizer, R. B. Hallock and A. F. Hebard.

3. Poster at the Symposium on Quantum Fluids and Solids (1997, Paris, France): *^{4}He Adsorption and Superfluid Transition on C_{60}.* W. Teizer, R. B. Hallock and A. F. Hebard.

4. Poster at the Symposium on Quantum Fluids and Solids (1998, Amherst, MA, USA): *Anomalous ^{4}He Adsorption to in-situ baked C_{60}.* W. Teizer, R. B. Hallock, Q. M. Hudspeth and A. F. Hebard.

5. Talk at the Centennial Meeting of the American Physical Society (1999, Atlanta, GA, USA): *^{4}He Desorption from Single Wall Carbon Nanotube Bundles.* W. Teizer, R. B. Hallock, E. Dujardin and T. W. Ebbesen.

6. Talk at the March Meeting of the American Physical Society (2000, Minneapolis, MN, USA): *Magnetic Field Change of the Density of States of Amorphous-Gd_xSi_{1-x} at the Metal Insulator Transition.* W. Teizer, F. Hellman and R. C. Dynes.

7. Talk at the 25th International Conference on the Physics of Semiconductors (2000, Osaka, Japan): *The Density of States of Amorphous Gd_xSi_{1-x} at the Metal Insulator Transition*, W. Teizer.

8. Condensed Matter Seminar at the UCSD Physics Department (2000, La Jolla, CA, USA): *Amorphous Magnetic Semiconductors*, W. Teizer, joint presentation with Frances Hellman and Dimitri Basov.

9. Talk at the March Meeting of the American Physical Society (2001, Seattle, WA, USA): *Hall Effect Measurements in Amorphous Semiconductors at the Metal-Insulator Transition.* W. Teizer, G. Malardier, F. Hellman and R. C. Dynes.

10. Joint Condensed Matter and Material Science Seminar at Texas A&M University (2001, College Station, TX, USA): *Electron Beam Lithography and NanoSQUIDs.* **W. Teizer**.

11. Talk at the March Meeting of the American Physical Society (2002, Indianapolis, IN, USA): *The simultaneous Measurement of the Density of States and the Conductivity at the Metal-Insulator Transition and Implications for the Scaling Theory.* R. C. Dynes, F. Hellman and **W. Teizer**.

12. Talk at the March Meeting of the American Physical Society (2002, Indianapolis, IN, USA): *Hall Effect and Spin Polarized Tunneling of a-Gd_xSi_{1-x} at the Metal-Insulator Transition.* **W. Teizer**, F. Hellman and R. C. Dynes.

13. Talk at the March Meeting of the American Physical Society (2002, Indianapolis, IN, USA): *Josephson Scanning Tunelling Microscope.* O. Naaman, **W. Teizer** and R. C. Dynes.

14. Seminar at the Department of Mechanical Engineering at Texas A&M University (2003, College Station, TX, USA): *Molecular Magnets, The Spin Hall Effect and the Metal-Insulator Transition: An introduction to my research*. **W. Teizer**

15. Talk at the March Meeting of the American Physical Society (2003, Austin, TX, USA): *Matrix assisted pulsed laser deposition of Mn_{12} acetate molecular magnet films.* **V. Meenakshi**, **W. Teizer**, K.D.D. Rathnayaka, D. Naugle, H. Zhao and K. Dunbar.

16. Institute Seminar at Universität Hannover (2003, Hannover, Germany): *Unusual Superconducting and Magnetic Systems – Two Recent Projects*. **W. Teizer**.

17. Poster at NSF Grantee Conference (2004, Dallas, TX, USA): *Nanotechnology Undergraduate Education (NUE): Nanotechnology Issues in Manufacturing*. Terry Creasy, Rita Caso, Jeff Froyd, Ibrahim Karaman and **Winfried Teizer**.

18. Talk at the March Meeting of the American Physical Society (2004, Montreal, QC, Canada): *Magnetic properties of Mn_{12}-acetate films*. **V. Meenakshi**, **W. Teizer**, D. G. Naugle, H. Zhao and K. R. Dunbar.

19. Talk at the March Meeting of the American Physical Society (2004, Montreal, QC, Canada): *Pulsed Laser Deposition of Mn_{12}-acetate Films using a Nitrogen Laser*. **J. Means**, **R. Srivastava**, **V. Meenakshi**, **W. Teizer**, H. Zhao, K. Dunbar, Al.A.Kolomenskii and H. A. Schuessler.

20. Talk at the March Meeting of the American Physical Society (2004, Montreal, QC, Canada): *Fabrication of Mn_{12}-acetate Molecular Magnet Thin Films by the Dip-and-Dry Method*. **D.M. Seo**, **M. Viswanathan**, **W. Teizer**, H. Zhao and K. R. Dunbar.

21. Talk at the March Meeting of the American Physical Society (2004, Montreal, QC, Canada): *A Simple Way to Pattern Mn_{12}-acetate Thin Films*. **K. Kim**, **D.M. Seo**, **J. Means**, **M. Viswanathan** and **W. Teizer**.

22. Talk at the Texas A&M Honor's Society (2004, College Station, TX, USA): *Nanotechnology – Vision and Implementation*. **W. Teizer**.

23. Institute Seminar at Universität Hannover (2004, Hannover, Germany): *Molecular Magnets*. **W. Teizer**.

24. Talk at ASEE Conference (2004): *Nanotechnology Undergraduate Education (NUE): Nanotechnology Issues in Manufacturing*. Terry Creasy, Rita Caso, Jeff Froyd, Ibrahim Karaman and **Winfried Teizer**.

25. Poster at the International Conference on Single Molecule Magnets and Hybrid Magnetic Nanostructures (2005, Trieste, Italy): *Nanopatterning of Mn_{12}-acetate Single-Molecule Magnet Films*. **K. Kim**, **A. Ford**, **V. Meenakshi**, **W. Teizer**, H. Zhao, and K. R. Dunbar.

26. Poster at the International Conference on Single Molecule Magnets and Hybrid Magnetic Nanostructures (2005, Trieste, Italy): *Production and Applications of Thin Films of*

Manganese-12 Molecular Magnets. **J. Means**, **V. Meenakshi**, **W. Teizer**, H. Zhao, K. Dunbar.

27. Poster at the International Conference on Single Molecule Magnets and Hybrid Magnetic Nanostructures (2005, Trieste, Italy): *Thickness Measurement and Relaxation of the Magnetization of Mn_{12}-acetate Single Molecule Magnet Thin Film*. **D.M. Seo**, **V. Meenakshi**, **W. Teizer**, Hanhua Zhao, Kim Dunbar.

28. Poster at the 24th International Conference for Low Temperature Physics (2005, Orlando, FL, USA): *Nanopatterning of Mn_{12}-acetate Single-Molecule Magnet Films*. **K. Kim**, **A. Ford**, **V. Meenakshi**, **W. Teizer**, H. Zhao, and K. R. Dunbar.

29. Poster at the 24th International Conference for Low Temperature Physics (2005, Orlando, FL, USA): *Production and Applications of Thin Films of Manganese-12 Molecular Magnets.* **J. Means**, **V. Meenakshi**, **W. Teizer**, H. Zhao, K. Dunbar.

30. Poster at the 24th International Conference for Low Temperature Physics (2005, Orlando, FL, USA): *Thickness Measurement and Relaxation of the Magnetization of Mn_{12}-acetate Single Molecule Magnet Thin Film*. **D.M. Seo**, **V. Meenakshi**, **W. Teizer**, Hanhua Zhao, Kim Dunbar.

31. Poster at the 24th International Conference for Low Temperature Physics (2005, Orlando, FL, USA): *Spin Polarization at the Metal-Insulator Transition*. **W. Teizer**, **R. Srivastava**, F. Hellman and R. C. Dynes.

32. Talk at the Texas Section Meeting of the American Physical Society (2005, Houston, TX, USA): *The Spin Polarization at the Metal-Insulator Transition*. **R.V.A. Srivastava**, **W. Teizer**, F. Hellman and R. C. Dynes.

33. Poster at the National Society of Black Physicists/National Society of Hispanic Physicists Conference (2006, San Jose, CA): *Progress in the Fabrication of Microscopic Superconducting Quantum Interference Devices*. **A Ford**, M. Borunda, **B. Hrycushko** and **W. Teizer**.

34. Talk at the March Meeting of the American Physical Society (2006, Baltimore, MD): *Alignment of Mn_{12}-acetate in Suspension*. **D.M. Seo** and **W. Teizer**.

35. Poster at the JSPS Summer Program Poster Presentation (2006, Hayama, Japan): *Magnetization measurements on Mn_{12}-acetate thin films*. **T. Wellington, J. Means, K. Kim**, H. Ishimoto.

36. Condensed Matter Seminar, Physics Department, Texas A&M University (2006, College Station, TX): *Thin Film Fabrication and Alignment of Single Molecular Magnets*. **D.M. Seo**, **W. Teizer**.

37. Talk at the Texas Section Meeting of the American Physical Society (2006): *Magnetization Measurements of Mn12-acetate Thin Films*. **T. Wellington**, A. Yamaguchi, K. Suzuki, H. Ishimoto, **J. Means**, **W. Teizer**.

38. Poster at the National Society of Black Physicists/National Society of Hispanic Physicists Conference (2007, Boston, MA): *How to Measure the Magnetic Properties of Nanoparticles*

with a Superconducting Microscopic Quantum Interference Device (SQUID). **A Ford**, **K. Kim**, **T. Wellington** and **W. Teizer**.

39. Poster at the National Society of Black Physicists/National Society of Hispanic Physicists Conference (2007, Boston, MA): *Magnetization and Susceptibility Measurements on Mn_{12}-acetate Thin Films*. **Tracey Wellington**, Akira Yamaguchi, Hidehiko Ishimoto, **Winfried Teizer.**

40. Talk at the March Meeting of the American Physical Society (2007, Denver, CO): *Use of Abrikosov-Gorkov Density of State to Extract Spin Polarization at the Metal-Insulator Transition*. **R. V. A. Srivastava** and **W. Teizer**.

41. Talk at the March Meeting of the American Physical Society (2007, Denver, CO): *Interactions Between Thin Metallic Films and Mn_{12}-Acetate*. **Joel Means**, **Winfried Teizer** and Kim R. Dunbar.

42. Talk at the March Meeting of the American Physical Society (2007, Denver, CO): *Observation of self-assembled Mn_{12}-ac Molecules on Highly Ordered Pyrolytic Graphite*. **D. Seo** and **W. Teizer**.

43. *Poster* at the IGERT project meeting (2007, Arlington, VA): *Characterization Studies on Molecular Magnets*. **T. Wellington**, A. Yamaguchi, **J. Means**, **D. Seo**, H. Ishimoto and **W. Teizer**.

44. Poster at the 44^{th} Technical Meeting of the Society of Engineering Science (2007, College Station, TX): *Characterization of Surface-Bound Microtubules Using Self-Assembled Monolayers and Electric Fields*. **J. Noel**, **W. Teizer** and W. Hwang.

45. Poster at the REU Program Site: *Nanotechnology and Materials Systems* (2007, College Station, TX): *Metal-Insulator Transition in thin Gadolinium Films*. **Aaron Collier** and **Winfried Teizer.**

46. Talk at the Texas Section Meeting of the American Physical Society (2007, College Station, TX): *Metal-Insulator Transition in thin Gadolinium Films*. **Raj V.A. Srivastava**, **Aaron Collier**, D.G. Naugle and **Winfried Teizer**.

47. Talk at the Texas Section Meeting of the American Physical Society (2007, College Station, TX): *Magnetic Alignment Behavior of Mn_{12}-ac Micro-crystals in a Solvent Matrix and Its Interpretation*. **D. Seo**, **W. Teizer**, H. Zhao and K. Dunbar.

48. Talk at the Texas Section Meeting of the American Physical Society (2007, College Station, TX): *The interaction between superconductors and Mn_{12}-acetate single-molecule magnets*. **K. Kim**, **J. Means** and **W. Teizer**.

49. Talk at the Texas Section Meeting of the American Physical Society (2007, College Station, TX): *Surface Engineering for Microtubule Manipulation*. **J. Noel**, **W. Teizer** and W. Hwang.

50. Talk at the Teacher Summit, organized by the Colleges of Science and Engineering (2008, College Station, TX): *Nanotechnology – Vision and Implementation*. **W. Teizer**.

51. Talk at the Annual Meeting of the Biophysical Society (2008, Long Beach, CA): *Electrophoretic Adsorption of Microtubules on Patterned Surfaces*. **J. Noel**, **W. Teizer** and W. Hwang.

52. Poster at the Materials Science IGERT Workshop (2008, Eugene, Oregon): *Electronic Interactions between Gold films and Prussian Blue Analogs*. **T. Wellington**, **A. Ford**, M. Hilfiger, C. Avendano, K. Dunbar, **W. Teizer**.

53. Poster at the 25th International Conference for Low Temperature Physics (2008, Amsterdam, Netherlands): *Electronic Transport studies on the Prussian Blue Analog FeII-CrIII*. **T. Wellington**, C. Avendano, K. Dunbar and **W. Teizer**.

54. Talk at the March Meeting of the American Physical Society (2009, Pittsburg, PA): *Electronic Interactions between Au Films and the Prussian Blue Analog* $Co_3[Os(CN_6)]_2$. **T. Wellington**, M. Hilfiger, **A. Ford**, C. Avendano, K. Dunbar, **W. Teizer**.

55. Talk at the Construction Research Congress (2009, Seattle, WA): *Nanotechnology: Benefits, Barriers, and Impact on Construction.* Manu Venugopal, Jochen Teizer, and **Winfried Teizer**.

56. Talk at the Texas Section Meeting of the American Physical Society (2009, San Marcos, TX): *Electronic Behavior of the Prussian Blue Analog* $Co_3[Os(CN_6)]_2$ *at Low Temperatures*. **T. Wellington**, **A. Ford**, **W. Teizer**, M. Hilfiger, C. Avendano, K. Dunbar.

57. Poster at the MRS Fall Meeting (2010, Boston, MA): *Construction of Molecular Shuttles Based on Kinesin Motor Proteins and Microtubules*. **Daniel Oliveira**, Kim Domyoung, Mitsuo Umetsu, Tadafumi Adschiri and **Winfried Teizer**.

58. Poster at the WPI-AIMR Workshop (2011, Sendai, Japan): *Micro/Nano-Patterning of* Mn_{12}*-acetate Single Molecule Magnet Films using Conventional Lithography Methods.* **K. Kim**, **W. Teizer**, H. Zhao and K. R. Dunbar.

59. Poster at the WPI-AIMR Workshop (2011, Sendai, Japan): *Construction of Molecular Shuttles Based on Kinesin Motor Proteins and Microtubules*. **Daniel Oliveira**, Kim Domyoung, Mitsuo Umetsu, Tadafumi Adschiri and **Winfried Teizer**.

60. Poster at the 242nd National Meeting of the American Chemical Society (2011, Denver, CO): *Surface Plasmon Resonance Analysis of the Assembly of Kinesin-based Nanotransport Systems*. **Daniel Oliveira**, Kim Domyoung, Mitsuo Umetsu, Tadafumi Adschiri and **Winfried Teizer**.

61. Poster at the 2nd Nano Today Conference (2011, Kona, HI): *Surface Plasmon Resonance Analysis of the Assembly of Kinesin-based Nanotransport Systems*. **Daniel Oliveira**, Kim Domyoung, Mitsuo Umetsu, Tadafumi Adschiri and **Winfried Teizer**.

62. Poster at the WPI-AIMR Workshop (2012, Sendai, Japan): *Spectroscopic STM Studies of Individual* Mn_{12}*-Ph Single-Molecule Magnets on Highly Ordered Pyrolytic Graphite***. K. Kim**, **K. Reaves**, K. Iwaya, T. Hitosugi, H. G. Katzgraber, H. Zhao, K. R. Dunbar, and **W. Teizer**.

63. Poster at the WPI-AIMR Workshop (2012, Sendai, Japan): *On the assembly of kinesin-based nanotransport systems***. Daniel Oliveira**, Kim Domyoung, Mitsuo Umetsu, Tadafumi Adschiri, Izumi Kumagai and **Winfried Teizer**.

64. Poster at the WPI-AIMR Workshop (2012, Sendai, Japan): *Transport of Quantum Dots using Kinesin Motor Proteins***. A. Sikora**, **D. Oliveira**, **K. Kim**, A. L. Liao, M. Umetsu, I. Kumagai, T. Adschiri, W. Hwang and **W. Teizer**.

65. Poster at the WPI-AIMR Workshop (2012, Sendai, Japan): *Nozzle Design with Rapid Mixing for Particle Formation Using CFD Simulation***.** N. Aoki, **D. Oliveira**, **W. Teizer,** T. Adschiri.

66. Talk at the March Meeting of the American Physical Society (2012, Boston, MA): *Motion observation and SPR measurements of kinesin motility on microtubules*. **A. Sikora**, **D. Oliveira**, **K. Kim**, **A.L. Liao**, M. Umetsu, T. Adschiri, W. Hwang, **W. Teizer**.

67. Talk at the March Meeting of the American Physical Society (2012, Boston, MA): *Construction of Quantum Dot Micro/Nano-track as a Seedbed for Kinesin Motor Proteins.* **K. Kim**, **A. L. Liao**, **A. Sikora**, **D. Oliveira**, M. Umetsu, T. Adschiri, W. Hwang, **W. Teizer**.

68. Talk at the March Meeting of the American Physical Society (2012, Boston, MA): *STM Studies of Mn_{12}-Ph on Highly Oriented Pyrolytic Graphite*. **K. Reaves**, **K. Kim**, K. Iwaya, T. Hitosugi, Y.G. Kim, K. Itaya, H. Zhao, K.R. Dunbar, H.G. Katzgraber, **W. Teizer**.

69. Talk at the International Association of Colloid and Interface Scientists Conference (2012, Sendai, Japan): *Study of quantum dot motion and binding to kinesin motor protein.* **Aurélien Sikora**, **D. Oliveira**, **K. Kim**, **A. L. Liao**, M. Umetsu, I. Kumagai, T. Adschiri, W. Hwang, **W. Teizer**.

70. Talk at the International Association of Colloid and Interface Scientists Conference (2012, Sendai, Japan): *Challenges in Indentifying Individual Mn_{12} Molecules on a HOPG Surface.* **K. Kim**, **A. L. Liao**, **A. Sikora**, **D. Oliveira**, M. Umetsu, T. Adschiri, W. Hwang, **W. Teizer**.

71. Talk at the WPI-AIMR Combined Seminar (2012, Sendai, Japan): *Molecular Studies on Functional Surfaces*. **W. Teizer**.

72. Talk at the Interface Unit Workshop (2012, Sendai, Japan): *Bio-motile system: Motion of microtubules by kinesin motor proteins*. **K. Kim**, **A. L. Liao**, **A. Sikora**, **D. Oliveira**, M. Umetsu, T. Adschiri, W. Hwang, **W. Teizer**.

73. Talk at the Materials Science and Engineering Meeting of the Deutsche Gesellschaft für Materialkunde (2012, Darmstadt, Germany). *Single Molecule Magnet Mn12-Ph on Highly Oriented Pyrolytic Graphite*. **K. Reaves**, H. Zhao, K.R. Dunbar, H. Katzgraber, **K. Kim**, Y.G. Kim, K. Itaya, K. Iwaya, T. Hitosugi, **W. Teizer**.

74. Oral Poster at the Materials Science and Engineering Meeting of the Deutsche Gesellschaft für Materialkunde (2012, Darmstadt, Germany). *Using Biomotors as Functional Nanotransporters*. **W. Teizer**, **A. Sikora**, **D. Oliveira**, **K. Kim**, M. Umetsu, T. Adschiri, **A. Liao**, W. Hwang.

75. Talk at the International Conference of the Asian Union of Magnetics Society (2012, Nara, Japan): *Low Temperature Scanning Tunneling Microscope Studies of Single Molecule Magnets*. **K. Reaves**, **Kyon. Kim**, K. Iwaya, T. Hitosugi, H. Katzgraber, H. Zhao, K. Dunbar, **W. Teizer**.

76. Talk at the MRS Fall Meeting (2012, Boston, MA): *On the Assembly of Kinesin-based Nanotransport Systems*. **Daniel Oliveira**, Mitsuo Umetsu, Tadafumi Adschiri, **Winfried Teizer**.

77. Poster at the 12th Joint MMM/Intermag Conference (2013, Chicago, IL): *Properties of Superconducting Thin Films covered by Periodic Ferromagnetic Stripes*. **W. Bang**, D. Rathnayaka, I.F. Lyuksyutov, **W. Teizer** and D.G. Naugle.

78. Poster at the AIMR International Symposium (2013, Sendai, Japan): *Deposition of Mn_{12}-Ph and Related Molecules*. **K. Reaves**, **K. Kim**, K. Iwaya, P. Han, T. Hitosugi, H. G. Katzgraber, H. Zhao, K. R. Dunbar, and **W. Teizer**.

79. Poster at the AIMR International Symposium (2013, Sendai, Japan): *Glass micro-wire track for guiding kinesin-powered gliding movement of microtubules*. **K. Kim**, **A. L. Liao**, **A. Sikora**, **D. Oliveira**, M. Umetsu, I. Kumagai, T. Adschiri, W. Hwang, **W. Teizer**.

80. Poster at the AIMR International Symposium (2013, Sendai, Japan): *Characterization and application of the molecular motor Kinesin*. **A. Sikora**, J. Ramon-Azcon, **D. Oliveira**, **K. Kim**, **A. L. Liao**, M. Umetsu, I. Kumagai, T. Adschiri, W. Hwang, **W. Teizer**.

81. Poster at the Third International Conference on Multifunctional, Hybrid and Nanomaterials (2013, Sorrento, Italy).*Glass micro-wire track for guiding kinesin-powered gliding movement of microtubules*. **K. Kim**, **A. L. Liao**, **A. Sikora**, **D. Oliveira**, M. Umetsu, **W. Teizer**.

82. Poster at the Third International Conference on Multifunctional, Hybrid and Nanomaterials (2013, Sorrento, Italy). *Nanotransport Using The Kinesin Motor Protein*. **A. Sikora**, J. Ramon-Azcon, **D. Oliveira**, **K. Kim**, **A. L. Liao**, **W. Teizer**.

83. Talk at the March Meeting of the American Physical Society (2013, Baltimore, MD): *STM Studies of Mn_{12}-Ph*. **K. Reaves**, **K. Kim**, K. Iwaya, T. Hitosugi, H. Zhao, K.R. Dunbar, H.G. Katzgraber, **W. Teizer**.

84. Talk at the March Meeting of the American Physical Society (2013, Baltimore, MD): *Glass micro-wire track for guiding kinesin-powered gliding movement of microtubules*. **K. Kim**, **A. L. Liao**, **A. Sikora**, **D. Oliveira**, M. Umetsu, I. Kumagai, T. Adschiri, W. Hwang, **W. Teizer**.

85. Talk at the March Meeting of the American Physical Society (2013, Baltimore, MD): *Nanotransport Using The Kinesin Motor Protein*. **A. Sikora**, J. Ramon-Azcon, **D. Oliveira**, **K. Kim**, **A. L. Liao**, M. Umetsu, T. Adschiri, I. Kumagai, W. Hwang, **W. Teizer**.

86. Talk at the March Meeting of the American Physical Society (2013, Baltimore, MD): *On the Assembly of Kinesin-based Nanotransport Systems*. **Daniel Oliveira**, Domyoung Kim, Mitsuo Umetsu, Tadafumi Adschiri, **Winfried Teizer**.

87. Poster at the MRS Spring Meeting (2013, San Francisco, CA): *Electronic Transport Hysteresis due to Electron Irradiation in Graphene Field Effect Transistors*. **Sung Oh Woo** and **Winfried Teizer**.

88. Talk at the EURO Biomaterials Conference of the Deutsche Gesellschaft für Materialkunde (2013, Weimar, Germany). *The Kinesin Motor Protein as a Nanotranporter*. **W. Teizer**, **A. Sikora**, J. Ramon-Azcon, **D. Oliveira**, **K. Kim**, **A. L. Liao**, M. Umetsu, I. Kumagai, T. Adschiri, W. Hwang.