

Sunxiang Huang

Presentations

Invited talks

1. *Extended skyrmion phase in epitaxial FeGe(111) thin films*, APS March meeting, March 2013, Baltimore, MD, USA.
2. *Broken Symmetry and Magnetic Skyrmions*, Condensed Matter Seminar, Department of Physics, Virginia Tech, December 2013, Blacksburg, VA, USA.
3. *Broken Symmetry and Magnetic Skyrmions*, Physics Colloquium, Department of Physics, Carnegie Mellon University, February 2014, Pittsburg, PA, USA.
4. *Broken Symmetry and Magnetic Skyrmions*, Physics Colloquium, Department of Physics, University of Miami, February 2014, Coral Gables, FL, USA.
5. *Broken Symmetry and Magnetic Skyrmions*, Seminar, International Center for Quantum Materials, Peking University, May 2014, Beijing, China.
6. *Broken Symmetry and Magnetic Skyrmions*, Seminar, Hefei National Laboratory for Physical Sciences at the Microscale, University of Science & Technology of China, May 2014, Hefei, China.
7. *Broken Symmetry and Magnetic Skyrmions*, Seminar, Department of Physics, Fudan University, May 2014, Shanghai, China.
8. *Broken Symmetry and Magnetic Skyrmions*, Seminar, College of Physics and Energy, Fujian Normal University, June 2014, Fuzhou, China.

Contributed presentations

1. **S. X. Huang**, and C. L. Chien, *Extended skyrmion phase in epitaxial FeGe(111) thin films*, **12th Joint MMM/Intermag Conference**, January 2013, Chicago, IL.
2. A.V. Stier, R. Valdes Aguilar, **S. X. Huang**, T. McQueen, N.P. Armitage, B. Ueland and F. Ronning, *Quantum Hall effect from Dirac fermions of the 3D topological insulator HgTe*, APS March meeting, March 2012, Boston, MA.
3. M. Saini, S.H. Zheng, **S. X. Huang**, W. Wang, C. L. Chien and S. Morin, *Bismuth Thin Films: Growth, Structure and Properties*, 222nd ECS Meeting, October 2012, Honolulu, HI.
4. W. Wang, S. Hageman, M. Li, A. X. Chen, **S. X. Huang**, X. Kou, X. Fan, J. Q. Xiao and C. L. Chien, *Fast evolution of perpendicular magnetic anisotropy and magnetoresistance during thermal annealing in CoFeB/MgO/CoFeB tunnel junctions*, 56th MMM Conference, November 2011, Scottsdale, AZ.

5. Melissa Gooch, Bernd Lorenz, **S. X. Huang**, C. L. Chien and Paul Chu, *Pressure effects on strained FeSe_{0.5}Te_{0.5} thin films*, APS March meeting, March 2011, Dallas, TX.
6. **S. X. Huang**, and C. L. Chien, *Surface transformation and superconductivity of stressed FeSe_{0.5}Te_{0.5} thin films*, 55th MMM Conference, November 2010, Atlanta, GA.
7. T. Y. Chen, **S. X. Huang** and C. L. Chien, *Pronounced effects of additional resistance in Andreev reflection spectroscopy*, 55th MMM Conference, November 2010, Atlanta, GA.
8. W. Wang, X. Chen, S. Hageman, **S. X. Huang**, F. Q. Zhu, T. Y. Chen and C. L. Chien, *Large-scale fabrication of magnetic tunneling junctions based on nanopillars and nanorings by nanosphere lithography*, 55th MMM Conference, November 2010, Atlanta, GA.
9. **S. X. Huang**, and C. L. Chien, *Realizing superconducting FeSe_{1-x}Te_x thin films on various substrates*, **11th Joint MMM/Intermag Conference**, January 2010, Washington, DC.
10. T. Y. Chen, **S. X. Huang**, R.H. Liu, X.H. Chen and C. L. Chien, *Absence of Pseudogap in the Parent Compound of SmFeAs(O_{1-x}F_x) Superconductores*, **11th Joint MMM/Intermag Conference**, January 2010, Washington, DC.
11. W. Wang, **S. X. Huang**, L. Zhu, L. Shah, X. Kou, X. Fan, J.Q. Xiao and C. Chien, *Barrier Thickness Dependence of Tunneling Magnetoresistance in CoFeB/MgO/CoFeB Junctions During Thermal Annealing*, **11th Joint MMM/Intermag Conference**, January 2010, Washington, DC.
12. **S. X. Huang**, T. Y. Chen, and C. L. Chien, *Determination of spin polarization of amorphous ferromagnet CoFeB by Point-Contact Andreev Reflection*, APS March meeting, March 2009, Pittsburgh, PA.
13. **S. X. Huang**, T. Y. Chen, and C. L. Chien, *Determination of spin polarization of amorphous ferromagnet CoFeB by Point-Contact Andreev Reflection*, 52th MMM Conference, November 2007, Tampa, FL.
14. X. Zou, G. Xiao, **S. X. Huang**, T. Y. Chen and C. L. Chien, *Electrical and magnetotransport properties of epitaxial and polycrystalline chromium dioxide (CrO₂) nanowires*, 52th MMM Conference, November 2007, Tampa, FL.
15. T. Y. Chen, **S. X. Huang**, C.L. Chien and M.D. Stiles, *Large Magnetoresistance Induced by Spin Transfer Torques with a Magnetic Field*, **10th Joint MMM/Intermag Conference**, January 2007, Baltimore, MD.