

NIST Center for Neutron Research

National Institute of Standards and Technology

Gaithersburg, MD 20899-8562Resume for **Dr. Jeffrey W. Lynn** 

**Present Position:** NIST Fellow

Team Leader, Condensed Matter Physics, NCNR

 Adjunct Professor of Physics, University of Maryland

(*Current activities are indicated in blue)***Education:**

B.S. Georgia Institute of Technology 1969

M.S. Georgia Institute of Technology 1970

Ph.D. Georgia Institute of Technology 1974

**Work Experience:**

1971-72 Georgia Institute of Technology Instructor

1972-74 Oak Ridge Associated Universities Research Assistant

1974 Oak Ridge National Laboratory Research Appointment

1974-76 Brookhaven National Laboratory Research Associate

1976-79 University of Maryland Assistant Professor of Physics

1977-92 National Institute of Standards Guest Scientist/Consultant

 and Technology

1979-86 University of Maryland Associate Professor of Physics

1980-82 IPST, U. of Maryland Associate Professor 1983-84

1983-84 Université de Grenoble Professeur Associé

1983-84 Institut Laue-Langevin Chercheur Invité

1983-84 Centre National de la Recherche Guest Scientist

 Scientifique

1984 Oak Ridge National Laboratory Guest Scientist

1986-97 University of Maryland Professor of Physics

1988-89 University of Maryland Acting Director, Center for Superconductivity

 Research

1992-present NIST Research Physicist

1997-present University of Maryland Adjunct Professor of Physics

**Professional Societies:**

Fellow, American Physical Society

Fellow, Washington Academy of Sciences

Fellow, Neutron Scattering Society of America

Member, American Chemical Society

Member, American Crystallographic Association

Member, American Association for the Advancement of Science

Member, Materials Research Society

Member, Nominating Committee, American Physical Society Division of Materials Physics (2011 -).

Elected Chair, Division of Materials Physics, American Physical Society (2005-2009); Vice-Chair→Chair-Elect→Chair→Past-Chair

Elected, Chair, Topical Group on Magnetism and Its Applications, American Physical Society (1999-2003); Vice-Chair→Chair-Elect→Chair→Past-Chair

Member, Council on Materials Science and Engineering of the Southeastern Universities Research Association (1995- )

Member, Task Force on Topical Groups, American Physical Society (2002-2003)

Member, American Physical Society Committee on Congressional Reception, 2001-2002

Member, Fellowship Committee, Division of Materials Physics, American Physical Society (00-02)

Elected, Member of the Executive Council of the Division of Materials Physics, American Physical Society (1999-2002)

Chair, Program Committee of the Topical Group on Magnetism and its Applications (March 2001 APS Meeting)

Chair, Program Committee of the Topical Group on Magnetism and its Applications (March 2000 APS Meeting)

Chair, Fellowship Committee, APS Topical Group on Magnetism and Its Applications (2000).

Chair, Program Committee of the Topical Group on Magnetism and its Applications (1999 Centennial APS Meeting)

Appointed as Chair of the APS Centennial Committee of the Neutron Scattering Society of America (1999)

Organizer and Interim Member-at-large, APS Topical Group on Magnetism and Its Applications

Secretary, Greater Washington Solid State Colloquium Series (1979-80)

**National and International Advisory Committees:**

Chair, 2016 NSSA Sustained Research Prize Selection Committee

Chair, 2016 NSSA Science Prize Selection Committee

Member, ORNL Science Review Committee (2015 - )

Member, International Instrument Advisory Committee, HANARO, South Korea (05- )

Member, Scientific Proposal Review Committee, ANSTO (06- )

Member, Advisory Committee for the Institute of Physics Thermal Neutron Triple Axis Spectrometer at CARR, Beijing

Member, Advisory Committee for the Remnin University Thermal Neutron Triple Axis Spectrometer at CARR, Beijing

Member, Materials Capability Review Committee, Los Alamos National Laboratory (2012 - 2014)

Member, design team for the CORELLI Elastic Diffuse Scattering Spectrometer for the Spallation Neutron Source

Member, Review Committee for Presidential Early Career Award for Scientists and Engineers (PECASE), 2013.

Member, Instrument Development Advisory Committee, National Central University, Taiwan (03-12)

Member, Advisory Committee for the Cold Neutron Triple Axis Spectrometer at HFIR

Member, Steering Committee for the Thermal Neutron Triple Axis Spectrometers at HFIR

Member, Scientific Advisory Committee for the VINS spectrometer at J-PARC, Institute of Solid State Physics, Japan (06-10)

LANSCE Program Advisory Committee, Dynamics of Materials subcommittee chair (04-10)

Member, DOE Review Committee, Materials Research Laboratory, U. Illinois (2010)

Member, Instrument Development Advisory Team, ANSTO, (01 - 10)

Member, DOE Review Committee on Energy Centers (2/2009).

Member, DOE Review Committee, Materials Science Program at the Stanford Synchrotron Radiation Laboratory/Geballe Laboratory for Advanced Materials, Stanford University (2005)

Member, HFIR Proposal Review Committee (02- 07)

Member, External Advisory Committee, LANL 30T pulsed neutron magnet development program (97- )

Trustee for the American Physical Society, to the Federation of Materials Societies (01-02)

Member, Scientific Advisory Committee for the Spallation Neutron Source (98-00)

Series Editor, Graduate Texts in Contemporary Physics (Springer-Verlag) (88-99)

Member, External Advisory Committee, Solid State Division, ORNL (98)

Member, National Steering Committee for the Spallation Neutron Source (97-98)

Member, NSF Panel on International Programs (9/96).

Chairman, Department of Energy Peer Review Assessment Panel on Structure and Spectroscopy Using Neutrons and X-rays (2/93)

Department of Energy BESAC Panel Member on Neutron Sources (9/92) [Neutron Sources and Applications issued 1/94 (DOE/ER-0607P)].

Department of Energy Peer Review Assessment Panel on High Temperature Superconductivity (6/92).

Member, Advisory Committee to Southeastern Universities Research Association (84-89)

**Conference Responsibilities:**

Discussion Leader, Neutron Scattering Gordon Research Conference on Effect of Disorder and Disordered Materials (Hong Kong, 2015).

Advisor to International Conference on New Theories, Discoveries and Applications of Superconductors and Related Materials (New3SC-9), Chongqing, China (October, 2014).

Symposium Editor, Neutron Scattering Studies of Advanced Materials, Materials Research Society Fall Meeting (2013).

Division of Materials Physics Focus Topic Organizer for Complex Oxides, March Meeting of the American Physical Society 2013.

Member, International Advisory Committee for the International Conference on Neutron Scattering (Edinburgh 2013).

Member, Hard Condensed Matter Program Committee, American Conference on Neutron Scattering (ACNS 2012).

Organizer, Focus Topic on Iron Superconductors for the 2011 March Meeting of the American Physical Society.

Member, International Advisory Committee, International Conference on New Theories, Discoveries, and Applications of Superconductors and Related Materials (Chongqing, China (June, 2011).

Member, International Advisory Committee, International Conference on New Theories, Discoveries, and Applications of Superconductors and Related Materials (Beijing, 5/2009).

Member, Program Committee, International Conference on Neutron Scattering (2009).

Member, Program Committee, Conference on Magnetism and Magnetic Materials (2007).

Program Chair, Division of Materials Physics, 2007 March Meeting (Denver).

Member, International Advisory Board, New3SC-6 (Sydney, 2007).

Program Co-Chair, American Conference on Neutron Scattering (College Park, 2004).

Member, International Support Committee, Seventh International Conference on Materials and Mechanisms of Superconductivity and High Temperature Superconductors (M2S-HTSC-VII).

Member, International Advisory Committee, Fourth International Conference on New Theories, Discoveries and Applications of Superconductors and Related Materials (04)

Member, Advisory Committee, Frontiers of Condensed Matter II (Buenos Aires, June 2004).

International Support Committee, International Conference on Magnetism (Italy, 2003)

Organizer for the Telluride Workshop on Oxides (July, 2002).

Member, Program Advisory Committee, International Conference on New Theories, Discoveries and Applications of Superconductors and Related Materials (Honolulu, 2001).

Member, Support Committee for the International Conference on Magnetism (Brazil, 2000).

Member, Advisory Committee for the Taiwan International Conference on Superconductivity (TICS'99).

Member, Program Committee for the Conference on Magnetism and Magnetic Materials (San Jose, ‘99)

Member, International Advisory Committee, International Conference on New Theories, Discoveries, and Applications of Superconductors and Related Materials (Baton Rouge, 98)

Member, International Advisory Committee, Conference on Strongly Correlated Electron Systems (SCES'98)

Symposium Organizer, March Meeting of the APS ('97).

Program Committee, International Workshop on Itinerant Electron Magnetism (Moscow, 9/97)

Organizing Committee, International Conference on Neutron Scattering (Toronto, 1997)

Treasurer, International Conference on Neutron Scattering, Toronto, 1997

Member, Board of Directors of the Rare Earth Research Conference ('96-99)

Session Chairman, Conference on Magnetism and Magnetic Materials (Atlanta, 11/96).

Symposium Chairman, Conference on Magnetism and Magnetic Materials (Philadelphia, 11/95)

Program Committee, International Workshop on Itinerant Electron Magnetism (Crimea, 9/95)

Session Chairman, March Meeting of the American Physical Society (3/95)

Symposium Chairman, Conference on Magnetism and Magnetic Materials (Albuquerque, 6/94)

Symposium Chairman, APS March Meeting (Pittsburgh, 1994)

Member, Advisory Committee for the Conference on Magnetism and Magnetic Materials (93-99)

Session Chairman, Conference on Magnetism and Magnetic Materials (Minneapolis, 1993)

Session Chairman, March Meeting of the American Physical Society (3/93)

Session Chairman, Conference on Magnetism and Magnetic Materials (Houston, 1992)

Session Chairman, Rare Earth Research Conference (Lexington, 1991)

Rapporteur, International Conference on Neutron Scattering (Oxford, 1991)

Session Chairman, Conference on Magnetism and Magnetic Materials (Boston, 1989)

ORNL/BNL Workshop on Neutron Scattering Instrumentation at High-Flux Reactors (6/89)

Program Advisory Committee, Conference on Magnetism and Magnetic Materials (Vancouver, 88)

Session Chairman, International Conference on Magnetism (8/85)

Session Chairman, American Physical Society Conference (3/85)

Session Chairman, International Conference on Magnetism (Japan-82)

Session Chairman, International Conference on Magnetism and Magnetic Materials (1981)

Session Chairman, American Physical Society Conference (3/81)

Program Advisory Committee, International Conference on Ternary Superconductors (1980)

Session Chairman, International Conference on Magnetism and Magnetic Materials (1977)

**Honors and Awards:**

*Sustained Research Prize* of the Neutron Scattering Society of America (2014).

Thomson Reuters highly cited researcher (2014); One of 138 most highly cited authors in Physics over the decade 2002-2012; only scientist at a neutron facility. [World’s Most Influential Scientific Minds](http://sciencewatch.com/grr/presenting-highly-cited-researchers).

Samuel Wesley Stratton Award, 2013, bestowed by NIST for outstanding scientific achievement

Presidential Rank Award of Distinguished Senior Professional (Obama, 2011).

Fellow, Neutron Scattering Society of America (2010).

Selected to the Inaugural group of APS Outstanding Referees (2008).

NIST Fellow (2006- ).

Samuel Wesley Stratton Award, 2005, bestowed by NIST for outstanding scientific achievement

Fellow, American Physical Society (1992).

Fellow, Washington Academy of Sciences (1988).

Washington Academy of Sciences Award for Scientific Achievement (1988).

General Research Board Award, University of Maryland (1986).

Fellowship from the French Minister of Foreign Affairs-Sejour Scientifique de Longue Duree (1983-84).

NSF Creativity Extension (1981).

Elected to Outstanding Young Men & Women of America (1979-80).

General Research Board Award, University of Maryland (1978).

Included in Who’s Who in America; Who’s Who in the World.

**Publications** (Refereed):

H index of 67, with over 18K citations.

1. Investigation of the Ordering Effects on Electronic Structure of an Equiatomic Iron Cobalt Alloy, S. Spooner, J. W. Lynn and J. W. Cable, AIP Conference Proceedings **(MMM)[[1]](#footnote-1)** #**5**, 1415 (1972).
2. Temperature Dependence of the Magnetic Excitations in Nickel, H. A. Mook, J. W. Lynn and R. M. Nicklow, Phys. Rev. Lett. **30**, 556 (1973).
3. Lattice Dynamics of Gold, J. W. Lynn, H. G. Smith and R. M. Nicklow, Phys. Rev. B**8**, 3493 (1973).
4. Magnetic Excitations in Iron and Nickel, H. A. Mook, J. W. Lynn and R. M. Nicklow, AIP Conference Proceedings #**18 (MMM)**, 781 (1973).
5. Dynamic Susceptibility Calculations in Ferromagnetic Iron, J. F. Cooke, J. W. Lynn and H. L. Davis, AIP Conference Proceedings **(MMM)** #**24**, 329 (1974).
6. Temperature Dependence of the Magnetic Excitations in Iron, J. W. Lynn, Phys. Rev. B**11**, 2624 (1975).
7. Exchange-Split Crystal Field Levels of Fe2+ in FeCO3, J. W. Lynn, H. A. Mook and W. J. L. Buyers, Phys. Rev. B**12**, 238 (1975).
8. Neutron Scattering Study of the `One-Dimensional' Conductor K2Pt(CN)4Br0.3**⋅**3.2D20 (KCP), J. W. Lynn, M. Iizumi, G. Shirane, S. A. Werner and R. B. Saillant, Phys. Rev. B**12**, 1154 (1975).
9. Spin-Wave and Critical Scattering of Neutrons From Cobalt Disulfide, M. Iizumi, J. W. Lynn, A. Ohsawa and H. Ito, AIP Conference Proceedings **(MMM)**, #**29**, 266 (1975).
10. Neutron Scattering Study of Spin Waves in the Amorphous Ferromagnet (Fe0.3Ni0.7)0.75P0.16B0.06Al0.03, J. W. Lynn, G. Shirane, R. J. Birgeneau and H. S. Chen, AIP Conference Proceedings **(MMM)** #**34**, 313 (1976).
11. Covalency Effects in the Magnetic Form Factor of Ir in K2IrCl6, J. W. Lynn, G. Shirane, and M. Blume, Phys. Rev. Lett. **37**, 154 (1976).
12. Numerical Investigation of Spin Waves in Ferromagnetic Iron, J. F. Cooke, J. W. Lynn and H. L. Davis, Sol. State Comm. **20**, 799 (1976).
13. Iron-Germanium Multilayer Neutron Polarizing Monochromators, J. W. Lynn, J. K. Kjems, L. Passell, A. M. Saxena, B. P. Schoenborn, J. Appl. Cryst. **9**, 454 (1976).
14. Neutron Scattering Study of the Lattice Dynamics of AgBr at 4.4 K, Y. Fujii, S. Hoshino, S. Sakuragi, H. Kanzaki, J. W. Lynn, and G. Shirane, Phys. Rev. B**15**, 358 (1977).
15. Neutron Diffraction Study of the Staggered Magnetization of CuCl2**⋅**2D20, J. W. Lynn, P. Heller and N. A. Lurie, Phys. Rev. B**16**, 5032 (1977).
16. Direct Observation of Long Range Ferromagnetic Order in the Reentrant Superconductor HoMo6S8, J. W. Lynn, D. E. Moncton, W. Thomlinson, G. Shirane and R. N. Shelton, Sol. St. Comm. **26**, 493 (1978).
17. Neutron Diffraction Study of Magnetic Order in the Ternary Superconductor ErMo6Se8, J. W. Lynn, D. E. Moncton, G. Shirane, W. Thomlinson, J. Eckert and R. N. Shelton, J. Appl. Phys. **49**, 1389 (1978).
18. Soft Rotary Mode and Structural Phase Transitions in K2ReCl6, J. W. Lynn, H. H. Patterson, G. Shirane and R. G. Wheeler, Solid State Comm. **27**, 859 (1978).
19. Lattice Dynamics Study of Cs2SiF6 With Application to the Vibronic Optical Spectra of Cs2SiF6:MnF6 Systems, H. H. Patterson and J. W. Lynn, Phys. Rev. B**19**, 1213 (1979).
20. Spin Excitations in Amorphous Transition-Metal Boron Glasses, J. J. Rhyne, J. W. Lynn, F. E. Luborsky and J. L. Walter, J. Appl. Phys. **50**, 1583 (1979).
21. Neutron Scattering Studies of Crystal Field Excitations in REMo6Se8, J. W. Lynn and R. N. Shelton, J. Appl. Phys. **50**, 1984 (1979).
22. Production of Ultra-Cold Neutrons Using Doppler-Shifted Bragg Scattering and an Intense Pulsed Neutron Spallation Source, T. Dombeck, J. W. Lynn, S. A. Werner, T. Brun, J. Carpenter, V. Krohn and R. Ringo, Nuc. Instr. Meth. **165**, 139 (1979).
23. Magnetic Properties of the Superconducting Alloy System (Ce1-cHoc)Ru2: A Neutron Scattering Study, J. W. Lynn and C. J. Glinka, J. Mag. and Mag. Materials 14, 179 (1979).
24. Magnetic Correlations and Crystal-Field Levels in the Superconductor (Ce.73Ho.27)Ru2, J. W. Lynn, D. E. Moncton, L. Passell, and W. Thomlinson, Phys. Rev. B**21**, 70 (1980).
25. Neutron Scattering Studies of Magnetic Superconductors, J. W. Lynn and R. N. Shelton, J. Mag. and Mag. Materials **18**, 1577 (1980).
26. Measurement of Ultracold Neutrons Produced by Using Doppler-Shifted Bragg Reflection at a Pulsed-Neutron Source, T. Brun, J. Carpenter, V. Krohn, G. Ringo, J. Cronin, T. Dombeck, J. Lynn, and S. A. Werner, Phys. Lett. **75A**, 223 (1980).
27. Calculations of the Dynamic Susceptibility of Nickel and Iron, J. F. Cooke J. W. Lynn and H. L. Davis, Phys. Rev. B**21**, 4118 (1980).
28. Temperature Dependence of the Dynamic Susceptibility of Nickel, J. W. Lynn and H. A. Mook, Phys. Rev. B**23**, 198 (1981).
29. Competition Between Ferromagnetism and Superconductivity in HoMo6S8, J. W. Lynn, G. Shirane, W. Thomlinson and R. N. Shelton, Phys. Rev. Lett. **46**, 368 (1981).
30. Observation of Long Range Oscillatory Magnetic Order in the Reentrant Superconductor HoMo6S8, J. W. Lynn, J. L. Ragazzoni, R. Pynn and J. Joffrin, J. de Physique Lettres **42**, L45 (1981).
31. Neutron Scattering Studies of the Magnetic Superconductor (Ce1-xTbx)Ru2, J. A. Fernandez-Baca and J. W. Lynn, J. Appl. Phys. **52**, 2183 (1981).
32. Spin Glass-Ferromagnetic Phase Transition in Amorphous (FexNi1-x).75P.16B.06Al.03, J. W. Lynn, R. W. Erwin, J. J. Rhyne and H. S. Chen, J. Appl. Phys. **52**, 1738 (1981).
33. Magnetic Properties of the Reentrant Ferromagnetic Superconductor HoMo6S8, J. W. Lynn, G. Shirane, W. Thomlinson, R. N. Shelton and D. E. Moncton, Phys. Rev. B**24**, 3817 (1981).
34. Spin Wave Excitations in Re-entry Para-Ferro-spin glass Transition in Glassy (FexNi1-x)75P16B6Al3 Glasses, H. S. Chen, J. W. Lynn, R. W. Erwin, and J. J. Rhyne, Proc. Rapidly Quenched Metals **4**, 1153 (1981).
35. Formation of an Oscillatory Magnetization Near the Reentrant Superconducting Transition in HoMo6S8, J. W. Lynn, R. Pynn, J. Joffrin, and J. L. Ragazzoni, Physica **108B**, 801 (1981).
36. Observation of Spin Waves in Pd(1.5% Fe), J. W. Lynn, J. J. Rhyne and J. I. Budnick, J. Appl. Phys. **53**, 1982 (1982).
37. Spin Waves in Amorphous Fe1-xBx Alloys, J. J. Rhyne, G. E. Fish, and J. W. Lynn, J. Appl. Phys. **53**, 2316 (1982).
38. Evolution from Ferromagnetism to Spin Glass Behavior in Amorphous (Fe1-xNix).75P.16B.06Al.03, J. W. Lynn, R. W. Erwin, H. S. Chen and J. J. Rhyne, Solid State Commun. **46**, 317 (1983).
39. Time-of-Flight Spectrometer for Ultra-Cold Neutrons, J. W. Lynn, W. A. Miller, T. W. Dombeck, G. R. Ringo, V. E. Krohn and M. S. Freedman, Physica **120B**, 114 (1983).
40. Field Dependence of the Oscillatory Magnetic State in Superconducting HoMo6S8, J. W. Lynn, R. Pynn, J. L. Raggazoni, and J. Joffrin, J. Mag. Mag. Mater. **32**, 493 (1983).
41. Ferromagnetic and Spin Glass Behavior Near the Critical Concentration in Amorphous (FexNi1-x)75Glass25, J. W. Lynn, R. W. Erwin, J. J. Rhyne and H. S. Chen, J. Mag. Mag. Mater. **34**, 1397 (1983).
42. Investigation of the Magnetic and Superconducting Properties of (Er1-xHox)Rh4B4, J. W. Lynn, R. N. Shelton, H. E. Horng and C. J. Glinka, Physica **120B**, 224 (1983).
43. Investigation of the Modulated Magnetic Phase of HoMo6S8, J. W. Lynn, R. Pynn, J. Joffrin, J. L. Ragazzoni and R. N. Shelton, Phys. Rev. B**27**, 581 (1983) (Rapid Communications).
44. Neutron Scattering Studies of Phase Transitions in Superconductors, J. W. Lynn, J. Less Comm. Metals **94**, 75 (1983).
45. Magnetic Ordering in Superconductors, R. Pynn, J. W. Lynn and J. Joffrin, Helvetica Physica Acta **56**, 179 (1983).
46. Addendum to `Temperature Dependence of the Magnetic Excitations in Iron', J. W. Lynn, Phys. Rev. B**28**, 6550 (1983).
47. Neutron Scattering Study of the Magnetic Excitations in Ferromagnetic Iron at High Energy Transfers, C.-K. Loong, J. M. Carpenter, J. W. Lynn, R. A. Robinson and H. A. Mook, J. Appl. Phys. **55**, 1895 (1984).
48. Magnetic Excitations in Amorphous Isotropic Ferromagnets, H. A. Mook and J. W. Lynn, Phys. Rev. B**29**, 4056 (1984).
49. Temperature-Dependent Sinusoidal Magnetic Order in the Superconductor HoMo6Se8, J. W. Lynn, J. A. Gotaas, R. W. Erwin, R. A. Ferrell, J. K. Bhattacharjee, R. N. Shelton and P. Klavins, Phys. Rev. Lett. **52**, 133 (1984).
50. Breakdown of Dynamic Scaling Analysis in Isotropic Ferromagnets, J. W. Lynn, Phys. Rev. Lett. **52**, 775 (1984).
51. A Polarized Neutron Measurement of Forbidden Magnon Scattering in Pt3Mn, W. H. Li, C. H. Perry, J. B. Sokoloff, J. W. Lynn, R. M. Nicklow, J. Appl. Phys. **57**, 3751 (1985).
52. Spin Stiffness Anomaly in the Reentrant Spin Glass (Fe0.25Ni0.75)0.75P0.16B0.06A10.03, R. W. Erwin, J. W. Lynn, J. J. Rhyne, and H. S. Chen, J. Appl. Phys. **57**, 3473 (1985).
53. Spin Dynamics of the Amorphous Invar Alloy Fe0.86B0.14, J. A. Fernandez-Baca, J. W. Lynn, J. J. Rhyne and G. E. Fish, J. Appl. Phys. **57**, 3545 (1985).
54. The Magnetic Response of Paramagnetic Fe at High Energy Transfers, P. J. Brown, H. Capellmann, J. Deportes, D. Givord, S. M. Johnson, J. W. Lynn and K. R. A. Ziebeck, J. de Phys. **46**, 827 (1985).
55. Measurements of the Magnetic Excitations Above TC in Fe and Ni, H. A. Mook and J. W. Lynn, J. Appl. Phys. **57**, 3006 (1985).
56. Magnetic and Superconducting Properties of Holmium-Rich (Er1-xHox)Rh4B4, J. W. Lynn, J. A. Gotaas, R. N. Shelton, H. E. Horng and C. J. Glinka, Phys. Rev. B**31**, 5756 (1985).
57. Resolution Effects for Systems with Strong Dispersion, J. W. Lynn and H. A. Mook, Physica **136B**, 94 (1986).
58. Reentrant Spin-Glass Order Parameter in (Fe0.3Ni0.7)75P16B6A13, R. W. Erwin, J. W. Lynn and A. Magerl, J. Mag. Mag. Mater. **54-57**, 101 (1986).
59. Nature of the Magnetic Excitations Above TC in Ni and Fe, J. W. Lynn and H. A. Mook, J. Mag. Mag. Mater. **54-57**, 1169 (1986).
60. Spin Dynamics of Amorphous Fe1-xBx, J. A. Fernandez-Baca, J. W. Lynn, J. J. Rhyne and G. E. Fish, Physica **136B**, 53 (1986).
61. Magnetic Field Dependence of the Small-Angle Neutron Scattering in HoMo6Se8, J. A. Gotaas and J. W. Lynn, J. Mag. Mag. Matr. **54-57**, 1529 (1986).
62. Helium Condensation Observed in Small Angle Neutron Scattering, J. W. Lynn, Physica **136B**, 117 (1986).
63. Direct Observation of Spin Waves Above TC in Nickel, H. A. Mook and J. W. Lynn, Phys. Rev. Lett. **57**, 150 (1986).
64. Absolute Measurement of the Ordered Magnetic Moment in Holmium Rich (Er1-xHox)Rh4B4, Q. Li, J. W. Lynn and J. A. Gotaas, Phys. Rev. B**35**, 5008 (1987).
65. Antiferromagnetic Structure of the Cubic Superconductor ErPd2Sn, H. B. Stanley, J. W. Lynn, R. N. Shelton and P. Klavins, J. Appl. Phys. **61**, 3371 (1987).
66. Spin Dynamics of Amorphous Fe90-xNixZr10, J. A. Fernandez-Baca, J. W. Lynn, J. J. Rhyne and G. E. Fish, J. Appl. Phys. **61**, 3406 (1987).
67. X-ray Diffraction Studies of Amorphous (Fe1-xNix)77Si10B13 Alloys, S. C. Yu, J. W. Lynn and B. W. Lau, J. Non-Cryst. Solids **94**, 203 (1987).
68. Long Wavelength Spin-Wave Energies and Linewidths of the Amorphous Invar Alloy Fe100-xBx, J. A. Fernandez-Baca, J. W. Lynn, J. J. Rhyne and G. E. Fish, Phys. Rev. B**36**, 8497 (1987).
69. Magnetic Fluctuations and Two-Dimensional Ordering in ErBa2Cu3O7, J. W. Lynn, W.-H. Li, Q. Li, H. C. Ku, H. D. Yang and R. N. Shelton, Phys. Rev. B**36**, 2374 (RC) (1987).
70. Suppression of Superconductivity by Antiferromagnetism in Tm2Fe3Si5, J. A. Gotaas, J. W. Lynn, R. N. Shelton, P. Klavins, and H. F. Braun, Phys. Rev. B**36**, 7277 (RC) (1987).
71. Effects of Crystal Anisotropy on Magnetization and Magnetic Order in Superconducting RBa2Cu3O7-x, R. N. Shelton, R. W. McCallum, M. A. Damento, K. A. Gschneidner, Jr., H. C. Ku, H. D. Yang, J. W. Lynn, W-H. Li, and Q. Li, Physica **148B**, 285 (1987).
72. Two-Dimensional Character of the Magnetic Order in ErBa2Cu3O7, J. W. Lynn, W-H. Li, Q. Li, H. C. Ku, H. D. Yang and R. N. Shelton, Rev. Sol. St. Phys. **1**, 357 (1987).
73. Low Temperature Spin Waves in Amorphous Fe90-xNixZr10, J. A. Fernandez-Baca, J. W. Lynn, J. J. Rhyne and G. E. Fish, J. Appl. Phys. **63**, 3749 (1988).
74. Spin Wave Excitations in Amorphous Fe78B13Si9, S. C. Yu, J. W. Lynn, J. J. Rhyne and G. E. Fish, J. Appl. Phys. **63**, 4083 (1988).
75. Antiferromagnetic Order of the Cu in RBa2Cu3O6+x, J. W. Lynn, W-H. Li, H. A. Mook, B. C. Sales and Z. Fisk, J. de Physique **49**, C8-1, 2153 (1988).
76. Antiferromagnetic Structure and Crystal Field Splittings in the Cubic Heusler Alloys HoPd2Sn and ErPd2Sn, W-H. Li, J. W. Lynn, H. B. Stanley, T. J. Udovic, R. N. Shelton and P. Klavins, J. de Physique **49**, C8-1, 373 (1988).
77. Nature of the Magnetic Order of Cu in Oxygen Deficient RBa2Cu3O6+x, J. W. Lynn, W-H. Li, H. A. Mook, B. C. Sales, and Z. Fisk, Phys. Rev. Lett. **60**, 2781 (1988).
78. Long Range Antiferromagnetic Order of the Cu in Oxygen-Deficient, RBa2Cu3O6+x, W-H. Li, J. W. Lynn, H. A. Mook, B. C. Sales and Z. Fisk, Phys. Rev. B**37**, 9844 (RC) (1988).
79. Crystal Electric Fields in Rare Earth-Ba-Cu-Oxide Superconductors, A. Goldman, Y. Gao, S-T. Ting, J. E. Crow, W-H. Li, and J. W. Lynn, J. Mag. Mag. Matr. **76-77**, 607 (1988).
80. Magnetic Order in RBa2Cu3O6+x, J. W. Lynn and W-H. Li, J. Appl. Phys. **64**, 6065 (1988).
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Charge and Spin Correlations in CMR Manganites, Workshop on “Single Crystal Diffuse Scattering at Pulsed Neutron Sources”, Argonne, IL, 6/2003).

Coupled Magnetic, Electronic, and Lattice Degrees of Freedom in Manganese Oxide Perovskites, Special Symposium on the Growth of Correlated Electron Crystals and Neutron Scattering, Fifteenth American Conference on Crystal Growth and Epitaxy, ACCGE-15 (Keystone, CO, 7/2003).

Sample Environment Facilities at the NCNR, Workshop on Sample Environments for Neutron Scattering Experiments (Tallahassee, 9/03).

Recent Neutron Scattering Results on Correlated Electron Systems, Southeastern Section of the American Physical Society (Wilmington, NC, 11/03) [BAPS **48**, No. 9, 31 (2003)].

Highly Correlated Electron Systems—Half a Century of Progress in Isotropic Ferromagnets, Symposium on Physics in strongly correlated electron systems (Knoxville, 4/04).

Magnetic Order and Fluctuations in Cuprate Superconductors, Workshop on Frontiers of Condensed Matter II: Magnetic Materials and Their Applications (Buenos Aires, 6/2004).

Recent Neutron Results on CMR and Multiferroic Manganese Oxides, Workshop on Magnetoresistive Manganites and Related Transition Metal Oxides (Telluride, CO 6/04).

Conference Summary and Future Directions in CMR Research, Workshop on Magnetoresistive Manganites and Related Transition Metal Oxides (Telluride, CO 6/04).

Structure and Dynamics of the Sodium Cobalt Oxide Class of Materials, MRS meeting (Boston, 2004).

Magnetic Order and Spin Dynamics in Multiferroic HoMnO3 and Related Systems, March Meeting of the American Physical Society [BAPS **50**, 1128 (2005)] (Los Angeles, 3/05).

Recent Results on Multiferroic and CMR Oxides, SMEC2005 (Miami, April 2005).

Intrinsic Inhomogeneities in Doped Manganites and Related Oxides, Workshop on *Complexity in Strongly Correlated Electron Systems*, Kavli Institute for Theoretical Physics, UC Santa Barbara (July, 2005).

Recent Results on CMR and Multiferroic Manganese Oxides, Workshop on Competing Interactions and Colossal Responses in Transition Metal Compounds (Telluride, CO 7/06).

High Magnetic Field SANS Capability, ZEEMANS IDT Workshop (Oak Ridge, 11/06).

First Results with the new Multidetector Analyzer on the Thermal Triple Axis Instrument at the NIST Center for Neutron Research, Instrumentation Workshop, Taipei, Taiwan, 6/07.

Recent Neutron Results on Multiferroic Oxides, International Workshop on Neutron Scattering Science,Taipei, Taiwan (6/07).

Recent Neutron Scattering Results on Multiferroic Oxides, Workshop on Multiferroics, U. Maryland (7/07).

Polaron Dynamics and Order in “Cubic” Manganites, Workshop on Orbital Physics and Novel Phenomena in Transition Metal Oxides (Stuttgart, Germany, 10/07).

Polaron Order and Dynamics in CMR Manganites, Korea University—KAERI Joint International Workshop On Condensed Matter Physics and Neutron Scattering (Seoul, Korea, 12/07).

Recent Neutron Results on Multiferroic Oxides, American Chemical Society conference, New Orleans (4/08). [ACS abstracts **235**, 564-INOR (2008)].

Polaron Order and Dynamics in CMR Manganites, Workshop on Novel Electronic Materials, Lexington (May, 2008).

Highly Correlated Electron Systems—Half a Century of Progress in Ferromagnets, International Workshop on Ab-initio Description of Iron and Steel: Magnetism and Phase diagrams (ADIS2008), Tegernsee, Germany (June, 2008).

Recent Neutron Studies of the Iron-based Family of High Tc Magnetic Superconductors, International Workshop on Iron-Based Superconductors, (Beijing, 10/08).

Neutron Studies of the Iron-based Family of High Tc Magnetic Superconductors, Fall Meeting of the Materials Research Society (12/08).

Recent Results from the NCNR Thermal Triple Axis Instruments, Workshop on Inelastic Neutron Scattering (Oak Ridge, 5/2009).

Neutron Studies of the Iron-based Magnetic Superconductors, Workshop on Competing Interactions and Colossal Responses in Transition Metal Compounds (Telluride, CO 8/2009).

Neutron Studies of the Iron-based Magnetic Superconductors, March Meeting of the American Physical Society (Portland) BAPS **55**, 549 (2010).

Magnetic Superconductors: The Perfect Playground for Neutron Scattering, Plenary talk at the American Conference on Neutron Scattering (Ottawa, 6/2010).

The Magic of Spin Ice and the Emergence of Magnetic Monopoles, American Crystallographic Association (Chicago, 7/2010).

Recent Neutron Results on Iron-based Superconductors, Super-PIRE Workshop, Knoxville (10/2010).

New Results for the Magnetic and Structural Properties of Iron-based Superconductor Materials, Villa conference on Iron Pnictide Superconductors (Las Vegas, Nevada, 4/2011).

Magnetic and Stuctural Properties of Iron Superconductors, American Crystallograhic Association Conference, New Orleans (5/2011).

New Results from Neutron Studies of Iron-based Superconductors, Workshop on Strongly Correlated Electron Systems at CBPF (Rio de Janeiro, 6/2011).

Tutorial on *Magnetic Neutron Diffraction*, Brazillian Physical Society, Foz de Iguacu, Brazil (6/2011).

Structure and Dynamics of Iron-based Superconductors, Brazillian Physical Society, Foz de Iguacu, Brazil (6/2011).

Observation of Magnetic Monopoles in the Spin Ice Compound Dy2Ti2O7, Brazillian Physical Society, Foz de Iguacu, Brazil (6/2011).

Magnetic and Crystal Structures of Iron-based Superconductors, Workshop on Representational Analysis and Magnetic Structures (Georgetown University, 8/2011).

Spin Liquids and Magnetic Monopoles in Rare Earth Cubic Pyrochlores, Conference on Magnetism and Magnetic Materials (Scottsdale, AR 11/2011).

Facility Overview and Double-Focusing Thermal Triple-Axis Spectrometer at the NCNR, March Meeting of the APS, Boston ([BAPS **57**, 002130 (2012](http://meetings.aps.org/Meeting/MAR12/Event/164282)).

Neutron Studies of the Iron-based Magnetic Superconductors, Villa Conference on Iron-Based Superconductors (Orlando, 4/2012).

Recent Neutron Studies of High Tc Superconductors, Super-PIRE Workshop, Bethesda (8/2012).

Recent Neutron Studies of High Temperature Superconductors, 6th Workshop on Emergent Materials Research, Pohang, Republic of Korea (6/2013).

Spin Dynamics and the Resonance in High Tc Superconductors, Workshop on Superconductivity at 300 mK and Beyond, University of Maryland (11/2013).

Recent Neutron Studies of High Temperature Superconductors, Neutron Scattering Studies of Advanced Materials Symposium, Materials Research Society, Boston (12/2013).

The Nature of Magnetism in Manganites and Superconductors, American Conference on Neutron Scattering (Longbeach, CA 6/2014).

High Magnetic Field Neutron Investigations in hard CMP, Workshop on Neutron Scattering in Fields above 15 Tesla (Helmholtz Zentrum Berlin, 10/2014).

Recent neutron studies on Ru- and Ir-based magnets, Workshop on Enhanced functionalities in 4- and 5d-containing materials from large spin-orbit coupling, Telluride, CO (6/2015).

Neutron investigation of the ferromagnetic superconductor (Li-Fe)FeSeOD, Conference on Materials and Mechanisms of Superconductivity (Geneva, Switzerland 2015).

Investigations of the Magnetic Properties of Superconductors, Workshop on Neutron Scattering to Study Magnetic, Multiferroic, and Superconducting Materials, Bariloche, Argentina (2/2016).

Recent Neutron Results on Multiferroics, EMN Meeting on Magnetic Materials, Hawaii (3/2016).

Recent Neutron Investigations of Multiferroic Materials, Gordon Research Conference on Multiferroic & Magnetoelectric Materials, Lewiston, Maine (8/2016).

Neutron Studies of the Magnetic Properties of Superconductors, XV Brazilian Materials Research Society (Campinas, 9/2016).

Quantum Magnetic Fluctuations in Iron Superconductors and Spin Liquids, Workshop on Fundamentals of Quantum Materials Workshop (Greenbelt, Md 1/2017).

Complex Magnetic Insommensurability and Electron Charge Transfer through the Ferroelectric Transition in Multiferroic Co3TeO6, Fundamental Physics of Ferroelectrics Workshop (Williamsburg, 1/2017).

Highly Correlated Electron Systems—Half a Century of Progress, ICNS 2017, Daejeon, Republic of Korea (7/2017).

Magnetic order and superconductivity in doped (Li-AOD)FeSe and related materials, 5th Annual Basic Energy Science-Chinese Academy of Science Collaboration Workshop on Superconductivity (Stanford, 7/2017).

**Invited Seminars and Colloquia:**

Temperature Dependence of the Dynamic Susceptibility in Iron and Nickel, Brookhaven National Laboratory (1973).

Temperature Dependence of the Magnetic Excitations in the 3-d Ferromagnets Fe and Ni, Argonne National Laboratory (1974).

Neutron Scattering Study of the Spin Waves in Iron and Nickel, University of Maryland (1975).

Neutron Scattering Study of the "One-Dimensional" Conductor KCP, Ris3, Denmark (1975).

Elastic and Inelastic Neutron Study of the 1-D Conductor KCP, Julich, West Germany (1975).

Coupled Electron-Phonon Modes and the Peierls Distortion in the 1-D Conductor KCP, Karlsruhe, West Germany (1975).

Neutron Scattering Study of the 1-D Conductor KCP, Grenoble, France (1975). Covalency Effects and Non-Collinear Magnetization Density in K2IrCl6, Argonne National Laboratory (1976).

Neutron Scattering Study of the Magnetic Form Factor of Ir in Potassium Chloroiridate, Ames Laboratory (1976).

Covalency Effects and Non-Collinear Spin Density in K2IrCl6, University of Maryland (1976).

Covalency Effects in the Magnetic Form Factor of Ir in K2IrCl6, University of Missouri (1976).

Spin Waves in Ferromagnets, Argonne National Laboratory (1977).

Spin Wave and Critical Properties of Isotropic Ferromagnets, Johns Hopkins University (1977).

Cold Neutrons as a Probe of Solids and Elementary Particles, General Physics Colloquium, University of Maryland (1978).

Properties of Magnetic Superconductors, Colloquium at the Institut Laue Langevin, Grenoble, France (1979).

Magnetism and Superconductivity, Oak Ridge National Lab., Oak Ridge, Tenn. (1980).

Ferromagnetism and Superconductivity: Competition, Coexistence and Percolation, Institut Laue Langevin, Grenoble, France (1980).

Ferromagnetic Superconductors: Fact and Fiction, Los Alamos Scientific Laboratory (1981), and UMBC.

Properties of Randomized Systems, Institut Laue Langevin, Grenoble, France (1981).

New Results on Ferromagnetic Superconductors, I.L.L. (Grenoble, 9/27/83).

Itinerant versus Localized Magnetism and Other Controversies, I.L.L. (Grenoble, 10/25/83).

Dynamiques de Spin Dans Les Ferromagnetiques Isotropes, Series of lectures at the Centre National de la Recherche Scientifique (Grenoble, 12/83).

Breakdown of Dynamic Scaling in Isotropic Ferromagnets, Imperial College (London, 2/1/84).

Spin Dynamics of 3d transition metal ferromagnets, Rutherford Appleton Laboratory (England, 2/2/84).

Dynamics of Isotropic Ferromagnets Above TC (U. of Maryland, 10/84)

Doing Physics with Neutrons, Colloquium at U. of Kentucky (12/84)

The Physics of Randomized Systems, Colloquium at the U. of New York (10/85)

The Physics of Randomized Systems: Reentrant Magnets and the Demise of Ferromagnetism, Iowa State University (11/85).

Spin Dynamics of Isotropic Paramagnets, AT&T Bell Laboratories (2/86).

Nature of the Magnetic Excitations above TC in Isotropic Ferromagnets, U. of Illinois (2/86).

Room Temperature Superconductivity and other Science Fiction, Geophysical Laboratory (6/87).

Recent Results on High TC Superconducting Oxides, Johns Hopkins U. (10/87).

Properties of Superconductors, Series of Lectures at W. R. Grace Washington Research Center (10/87).

On The Road To Room Temperature Superconductivity, University of the District of Columbia (10/87).

Recent Results on Oxide Superconductors, National Bureau of Standards (11/87).

The Promise of Superconductivity, Science and Engineering Colloquium of the Prince Georges Community College (3/88).

Superconducting Revolution, Del Marva Science and Engineering Association (5/88).

Magnetic Ordering in the Oxide Superconductors, Los Alamos National Laboratory (8/88).

The New Superconductors, Science and Engineering Colloquium of the Prince Georges Community College (11/88).

Superconductivity: The New Frontier, Fall-88 Distinguished Lecturer, UMES (11/88).

Magnetism in High Temperature Superconductors, Colloquium at West Virginia U. (12/88).

Fluctuations and Magnetic Ordering in Oxide Superconductors, Colloquium at Northeastern University (1/89).

Magnetic Properties of Oxide Superconductors, Colloquium at Temple University (3/89).

Superconductivity, General talk at Capitol College (10/89).

Magnetic Properties of Oxide Superconductors, Seminar at U. of Delaware (11/89).

Magnetic Fluctuations versus Phonon Coupling in High TC Superconductors, U. of Virginia (1/91).

Magnetic Neutron Scattering, Materials Division, NIST (4/91).

Neutron Scattering Studies of Superconductors: Vortex Structure, Magnetic Ordering, ..., U. Delaware (2/93).

Neutron Scattering Studies of the Spin Dynamics of Invar Ferromagnets and High Tc Superconductors, Chung-Buk National University (Korea, 5/93).

Neutron Investigations of Superconductors: Magnetic Ordering, Vortex Lattice, ...KRISS, Korea (5/93).

Magnetic Ordering in High Temperature Superconductors, National Central University (Taiwan, 5/93).

Neutron Techniques Applied to High Temperature Superconductors, SSRL (Taiwan, 5/93).

Neutron Studies of High Temperature Superconductors: Vortex Lattice, Magnetic Order, ..., National Tsing Hua University (Taiwan, 5/93).

Neutron Studies of Vortex Structures in Superconductors, Physics Division, NIST (10/94).

Vortex Structures and Transitions in Superconductors, Physics, Department, Cornell University (10/94).

Vortex Structures and Diamagnetic Screening in Superconductors, Bhabha Atomic Research Centre, Bombay (9/95).

Unconventional Magnetic Phase Transition in Colossal Magnetoresistance Materials, Florida State University (2/96).

Unconventional Magnetic Phase Transition in Colossal Magnetoresistance Materials, The Johns Hopkins University (4/96).

Magnetoresistive Oxides: Structure and Dynamics of the LaMnO3 Class of Materials (U. Delaware, 10/96)

Neutron Studies of Colossal Magnetoresistive Oxides, U. Maryland Baltimore County (12/96).

Structure and Spin Dynamics of Magnetoresistive Oxides, University of Wisconsin (4/97).

Nature of the Vortex Structure in Superconductors, Academy of Sciences of Belarus (9/97).

Structure and Dynamics of CMR materials, Institute of Solid State Physics (Minsk, 9/97).

Neutron Thermal Modernization Program at the NIST Center for Neutron Research, Institute for Nuclear Energy Research, Taiwan (8/99).

Applications of Neutron Scattering to Condensed Matter Systems, Brown University Colloquium (4/00).

Polarons in CMR materials, U. Md. (4/00).

Spin and Charge Correlations in Colossal Magnetoresistive Systems, Texas A&M University (2/01).

Magnetic Order and Superconductivity: Competition, Coexistence, and Carnage, Texas A&M University (3/01).

Magnetism and Superconductivity: Competition, Coexistence, and Origin of Pairing, Louisiana State University (5/01).

Magnetism and Superconductivity: Competition, Coexistence, and Origin of Pairing, University of Kentucky (11/01).

Spin and Charge Correlations in Colossal Magnetoresistive Systems, Drexel University (12/01).

Magnetism and Superconductivity: Competition, Coexistence, and Origin of Pairing, University of Maryland (2/02).

Spin and Charge Correlations in Perovskite Oxides, Rutgers University (2/02).

Spin and Charge Correlations in Manganites, Stanford University (4/02).

Magnetism and Superconductivity: Competition, Coexistence, and Origin of Pairing, University of California—Davis (4/02).

Magnetic Superconductors: Exceptions to the Rule, Department of Physics, University of Tennessee (10/02).

Spin and Charge Correlations in Perovskite Oxides, Solid State Division, Oak Ridge National Laboratory (10/02).

Spin and Charge Correlations in CMR and Multiferroic Manganese Oxides, Princeton University (10/04).

Magnetic Ordering in Superconductors, University of Connecticut (3/05).

Spin and Charge Correlations in CMR and Multiferroic Oxides, U. Maryland (3/05).

Spin and Charge Correlations in CMR and Multiferroic Manganese Oxides, Johns Hopkins University (10/05).

Magnetic Order and Spin Fluctuations in Cuprate Superconductors, University of Maryland (4/07).

Recent Results on CMR and Multiferroic Oxides, National Synchrotron Light Source, Taiwan (6/07).

Recent Results on CMR and Multiferroic Manganese Oxides, U. Virginia (9/07).

Magnetic Moments in Superconductors:  From Antagonist to Prodigy, Lise Meitner Colloquium, Hahn-Meitner Institut, Berlin (10/07).

Magnetic Moments in Superconductors: From Antagonist to Prodigy, Laboratory Colloquium at Oak Ridge National Lab (4/08).

Iron Arsenides—The New Family of High Tc Magnetic Superconductors, Florida State University (9/08).

Iron Arsenides—The New Family of High Tc Magnetic Superconductors, Johns Hopkins University (9/08).

Recent Neutron Scattering Results in CMR and Multiferroic Manganese Oxides, Beijing University of Technology (10/08).

Recent Results on Magnetic Superconductors, China Institute of Atomic Energy (Beijing, 10/08).

Observation of Magnetic Monopoles in the Spin Ice Dy2Ti2O7, Electron and Optical Physics Division, NIST (10/09).

Magnetic Moments in Superconductors: From Assassin to Facilitator, Louisiana State University (Baton Rouge, 11/09).

Magnetic Moments in Superconductors: From Assassin to Facilitator, George Mason University (4/10).

Spins in Superconductors: From Assassin to Facilitator, Boston College (4/2010).

Magnetic Moments in Superconductors: From Assassin to Facilitator, Unicamp, Campinas, Brazil (June, 2011).

Frustrated Magnets, Spin Ice, and the Emergence of Magnetic Monopoles, CNAM colloquium, University of Maryland (9/2011).

Magnetic Moments in Superconductors: From Assassin to Facilitator, Colloquium, Argonne National Laboratory (9/2011).

Magnetic Moments in Superconductors: From Assassin to Facilitator, Colloquium, Northern Illinois University (9/2011).

Recent Neutron Scattering Results on High TC Superconductors, Los Alamos National Laboratory (11/2011).

Magnetic Moments in Superconductors: From Assassin to Facilitator, Iowa State University (9/2012).

Magnetic Moments in Superconductors: From Killer to Catalyst, Laboratory for Physical Sciences, College Park (10/2013).

Magnetic Moments in Superconductors: From Assassin to Facilitator, University of Missouri (9/2014).

The Magic of Manganites: Novel Fundamental and Practical Properties, Michigan State University (10/2014).

Magnetic Moments in Superconductors: From Assassin to Facilitator, Rice University (10/2015).

Unpaired Spins in Superconductors: From Assassin to Enabler, Brookhaven National Laboratory (4/2017).

**Ph.D. Graduate Students (University of Maryland):**

Ross Erwin (Ph.D. - 1985). Currently NCNR Staff

‘Neutron Scattering Study of Magnetic Correlations in a System with Competing Interactions: Amorphous (FexNi1-x)75P16B6Al3’

Jaime Fernandez-Baca (Ph.D. - 1986)

‘Neutron Scattering Study of the Spin Dynamics of Amorphous Invar Alloys’

Susan Krueger (Ph.D. - 1987); Currently NCNR Staff

‘Small Angle Neutron Scattering Studies of the Core Structure of Intact Neutrosecretory Vesicles’

Thomas Clinton (Ph.D. - 1992)

‘Effects of Oxygen on the Magnetic Order of the Rare Earths in RBa2Cu3O6+x (R = Dy, Nd, Er)’

Suntharalingam Skanthakumar (Ph.D. - 1993)

‘Magnetic Order of the Rare Earth and Cu Spins in the Electron Superconducting System R2-xCexCuO4-y (R = Nd, Sm)’

Huai Zhang (Ph.D. - 1993)

‘Magnetic Penetration Depth in Superconductors by Polarized Neutron Reflectometry’

Ignatius W. Sumarlin (Ph.D. - 1994)

‘Structure and Dynamics of the Pr and Cu Spins in Pr2CuO4’

**Postdoctoral Fellows:**

Dr. Charles Glinka (77-78) Currently NCNR Staff

Dr. Andreas Magerl (80-81)

Dr. James Gotaas (82-85)

Dr. Ian Anderson (85-86)

Dr. Jacqueline Nicol (85-92)

Dr. Halina Stanley (86-87)

Dr. Wen-Hsien Li (86-89)

Dr. John Copley (87-88) Currently NCNR Staff

Dr. David Mildner (89) Currently NCNR Staff

Dr. Beat Schmid (89-91)

Dr. Boualem Hammouda (89-90)

Dr. Phillippe Depondt (89-90)

Dr. William Kamitakahara (90-92) Currently NCNR Staff

Dr. Heather Chen-Mayer (90-91) Currently NIST Staff

Dr. Nicholas Rosov (90-92)

Dr. Paul Brand (91-92) Currently NCNR Staff

Dr. Andrew Allen (91-92) Currently NIST Staff

Dr. Qing Huang (91-92) Currently NCNR Staff

Dr. Valerie Nunez (92-93)

Dr. Przemek Klosowski (92) Currently NCNR Staff

Dr. Alamgir Karim (92)

Dr. Julie Borchers (92-93) Currently NCNR Staff

Dr. Todd Grigereit (93-95)

Dr. Suntharalingam Skanthakumar (95-97)

Dr. Lida Vasiliu-Doloc (95-99)

Dr. Seung-Hun Lee (96-00)

Dr. Carl Adams (98-01)

Dr. Young Lee (99-01)

Dr. Eduardo Granado (00-02)

Dr. F. Matthew Woodward (01- 04)

Dr. William Ratcliff, II (03-05) Currently NCNR Staff

Dr. Owen Vajk (03-05)

Dr. Jae-Ho Chung (04- 07)

Dr. Ying Chen (04-09)

Dr. Hye Jung Kang (05-08)

Dr. Jiying Li (07-08)

Dr. Ben Ueland (07- 10)

Dr. Jasmine Millican (07-10)

Dr. Sami El-Khatib (07- 10) [joint with C. Leighton]

Dr. Sung Chang (07- 11)

Dr. Song-xue Chi (09- 11)

Dr. Deepak Singh (09- 13)

Dr. Joel Helton (09- 13)

Dr. Yang Zhao (10 - 14)

Dr. Daniel Padjerowski (10- 13)

Dr. Karunakar Kothapalli (11-12)

Dr. Daniel Pratt (12 - 13)

Dr. Leland Harriger (12 -15) Currently NCNR Staff

Dr. Steven Disseler (13 - )

Dr. Daniel Parshall (13 - 16)

Dr. Robin Chisnell (14 - )

**Research Scientists (U. Maryland):**

 Dr. Seung-hun Lee (2000-2002)

Dr. Yang Zhao (14 - )

Dr. Zhijun Xu (2016 - )

**Visiting Research Scientists and Professors:**

Dr. Jacques Bouillot, U. of Dijon-Institut Laue Langevin (84-86).

Dr. Seong-Cho Yu, Chungbuk National University. Korean Science Foundation Fellow (86-88).

Mr. Chang Hee Lee, IAEA fellow from South Korea (89-90)

Dr. Quan Lin, Institute of Physics, Chinese Academy of Sciences (90-91).

Dr. Sergei Barilo, Belarus Academy of Sciences (97)

Dr. Frederic Bourdarot, CEA-Grenoble (98-99)

 Dr. Taku Sato, National Institute for Materials Science, Sengen, Tsukuba (2001-03)

 Ms. Cris Adriano, Universidade Estadual de Campinas (UNICAMP), Brazil (2008).

Dr. Ivelisse Cabrera (15 - )

1. Magnetism conference is refereed and was published in AIP conf. proc., then switched to J. Appl. Phys. [↑](#footnote-ref-1)