

Presentations

(Janice Paige Phillips)

77. *“The First X-ray Crystal Structures of Trifluoromethylated Endometallofullerenes”* Shustova, N.B.; Kareev, I.; Kuvychko, I.V.; Popov, A.; Mackey, M.; Coumbe, C.; Bubnov, V.; Lebedkin, S.; Chen, Y.; Phillips, J.P.; Stevenson, S.; Strauss, S.H., and Boltalina, O.V., Electrochemical Society Meeting, San Francisco, CA, May 28, **2009**
76. *“Stable Fullerene Derivatives Can and Do Have Substituents on Triple-Hexagon Junctions”* Strauss, S.H.; Shustova, N.B.; Chen, Y.; Mackey, M.; Coumbe, C.; Phillips, J.; Stevenson, S.; Popov, A.A., and Boltalina, O., Electrochemical Society Meeting, San Francisco, CA, May 27, **2009**
75. *“Molecular Structure and Electrochemical Properties of $Sc_3N@C_{80}(CF_3)_n$ Derivatives ($n = 2, 4, 6, 8, 10, 12, 14$)”* Popov, A.A.; Shustova, N.B.; Mackey, M.; Coumbe, C.; Phillips, J.; Stevenson, S.; Strauss, S.H.; Boltalina, O.V., and Dunsch, L., Electrochemical Society Meeting, San Francisco, CA, May 26, **2009**
74. *“Solvent-Mediated, Selective Fullerene Uptake in SAFA Separations”* Rose, C.; Phillips, J., and Stevenson, S., Electrochemical Society Meeting, San Francisco, CA, May 26, **2009**
73. *“Role of the CAPTEAR Method for Selectively Synthesizing Metallic Oxide Fullerenes (MOFs)”* Coumbe, C.; Phillips, J. and Stevenson, S., Electrochemical Society Meeting, San Francisco, CA, May 26, **2009**
72. *“Selective Precipitation of Metallic Nitride Fullerenes from Soot Extract Solutions”* Mackey, M.; Phillips, J., and Stevenson, S., Electrochemical Society Meeting, San Francisco, CA, May 26, **2009**
71. *“Synthesis, Characterization, and Applications of Metallic Nitride Fullerene Polymer Nanocomposites”* Hoyle, C.E.; Confait, B.S.; McCluskey, D.M.; Ahmed, H.; Stevenson, S. and Phillips, J.P. National Meeting of the American Chemical Society, Salt Lake City, March 25, **2009**
70. *“Thiol-enes and Nanostructuring”* Hoyle, C.E.; Phillips, J.P.; Shin, J.; Kwisnek, L.; Comer, C.; Clark, T.S.; Nazarenko, S., and Confait, B.S., National Meeting of the American Chemical Society, Salt Lake City, March 25, **2009**
69. *“Singlet Oxygen Generation and Adhesive Loss in Rubber-Based Adhesives using Metallic Nitride Fullerene Sensitizers”* McCluskey, D.M.; Smith, T.N.; Madasu, P.K.; Stevenson, S.; Phillips, J.P.; International Conference on Stimuli-Responsive Materials, Hattiesburg, MS, October 28-29, **2008**
68. *“Investigating the Polymer Wrapping Technique Through Theoretical Calculations of Specific Polymer-Nanotube Stabilization Energies”* Madasu, P.K.; Vann, Z.E.; Heaps, D.T.; Hoyle, C.E.; Stevenson, S.; Phillips, J.P., International Conference on Stimuli-Responsive Materials, Hattiesburg, MS, October 28-29, **2008**

67. *"Reactions of Sc₃N@C₈₀ with Light and Air"* Phillips, J.P., Electrochemical Society Conference, Phoenix, AZ, May 18-22, **2008**
66. *"Trifluoromethylation of Metallic Nitride Fullerene Sc₃N@C₈₀: Further Exploration of Multiple Radical Additions"*, Shustova, N.B.; Popov, A.; Mackey, M.A.; Coumbe, C.; Phillips, J.P.; Stevenson, S.; Strauss, S.H.; Boltalina, O., Electrochemical Society Conference, Phoenix, AZ, May 18-22, **2008**
65. *"Fundamentals of the Polymer-Wrapping Technique for Single Walled Carbon Nanotubes"* Madasu, P.K.; Vann, Z.; Stevenson, S.; Phillips, J.P., Electrochemical Society Conference, Phoenix, AZ, May 18-22, **2008**
64. *"Effect of Plasma Additives on the Yield of Metallic Nitride Fullerenes"*, Coumbe, C.; Thompson, M.; Coumbe, H.; Phillips, J.; Stevenson, S., Electrochemical Society Conference, Phoenix, AZ, May 18-22, **2008**
63. *"Electric-Arc Synthesis of Mixed-Metal Metallic Nitride Fullerenes using the CAPTEAR Method"* Villareal, J.; Phillips, J.; and Stevenson, S., Electrochemical Society Conference, Phoenix, AZ, May 18-22, **2008**
62. *"Stability of Metallic Nitride Fullerenes in Electric-Arc Generated Soot"* Allcock, J.; Phillips, J.; Stevenson, S., Electrochemical Society Conference, Phoenix, AZ, May 18-22, **2008**
61. *"SAFA Separations of Mixed-Metal Rare-Earth Metallic Nitride Fullerenes"* Maslenikova, J.; Phillips, J.; and Stevenson, S.; Electrochemical Society Conference, Phoenix, AZ, May 18-22, **2008**
60. *"Investigation of Solvent Type on SAFA Purification Times for Metallic Nitride Fullerenes"* Robson, A.; Phillips, J., and Stevenson, S., Electrochemical Society Conference, Phoenix, AZ, May 18-22, **2008**
59. *"Effect of Adsorbed Water on SAFA Purification Times for Metallic Nitride Fullerenes"* Rose, C.; Heaps, D.; Viner, V.; Phillips, J., and Stevenson, S., Electrochemical Society Conference, Phoenix, AZ, May 18-22, **2008**
58. *"Singlet Oxygen Generation and Adhesive Loss in Rubber-based Adhesives using Metallic Nitride Fullerene Sensitizers"* McCluskey, D.; Smith, T.; Stevenson, S., and Phillips, J.P., Electrochemical Society Conference, Phoenix, AZ, May 18-22, **2008**
57. *"Susceptibility of Metallic Nitride Fullerenes Toward O₂ Oxidation"* Mackey, M.A.; Pratt, A.; Stevenson, S., and Phillips, J.P. Electrochemical Society Conference, Phoenix, AZ, May 18-22, **2008**
56. *"Selective Synthesis of Metallic Nitride Fullerene Nanomaterials"* Stevenson, S.; Coumbe, C.E., Phillips, J.P., ACS National Meeting, New Orleans, LA, April 9, **2008**
55. *"Effect of singlet oxygen generators on adhesive bulk-tack loss in rubber-based PSAs"* Phillips, J.P.; Deng, X.; Todd, M.L.; Stevenson, S. ACS National Meeting, New Orleans, LA, April 6, **2008**
54. *"Experimental Design and Development of Carbon Nanomaterials with the Assistance of Molecular Modeling"* Madasu, P.; Phillips, J. P.; Stevenson, S., Mississippi Center for

Supercomputing Research (MCSR) Computational Mini-Symposium, University of Mississippi, September 6-7, **2007**

53. *“Preliminary modeling studies of metallic nitride fullerenes and other interesting composite nanomaterial structures”* Phillips, J. Paige, Mississippi Center for Supercomputing Research (MCSR) Computational Mini-Symposium, University of Mississippi, September 6-7, **2007**
52. *“Experimental Design and Development of Carbon Nanomaterials with the Assistance of Molecular Modeling,”* Madasu, P.; Heaps, D.; Hoyle, C.; Stevenson, S. and Phillips, J.P., International Symposium on Stimuli-Responsive Materials, Hattiesburg, MS, October 30-31, **2007**
51. *“Characterization of Novel Stimuli-Responsive Adhesive Systems,”* McCluskey, D.M.; Smith, N.; Heaps, D.; Wynne J.; Stevenson, S. and Phillips, J.P., International Symposium on Stimuli-Responsive Materials, Hattiesburg, MS, October 30-31, **2007**
50. *“My Experiences”*, Phillips, J.P., Louisiana State University (LSU)-ACSSA, March 12, **2007**
49. *“Nano in Macro”*, Phillips, J.P., Naval Research Lab (NRL), Washington D.C., February 9, **2007**
48. *“Trifluoromethylated TNT Endometallofullerenes: First Synthesis and Characterization,”* Shustova, N.; Kuvychko, I.; Strauss, S.; Boltalina, O.; Stevenson, S.; Phillips, J.P., Mackey, M.; Coumbe, C., and Popov, A., Electrochemical Society Conference, Chicago, IL, May 6-10, **2007**
47. *“Progress Toward Higher-Order Adduct Formation in Functionalized Metallic Nitride Fullerenes,”* Stephen, R.R.; Madasu, P.K.; Deng, X.; Mackey, M.; Stevenson, S., and Phillips, J.P., Electrochemical Society Conference, Chicago, IL, May 6-10, **2007**
46. *“Preliminary Theoretical and Experimental Investigations of Metallic Nitride Fullerenes,”* Madasu, P.K.; Stevenson, S., and Phillips, J.P., Electrochemical Society Conference, Chicago, IL, May 6-10, **2007**
45. *“Nano- Structured Composite Films Containing Modified Magnetic and Conductive Particles,”* Heaps, D.; Madasu, P.; Coumbe, C.; Hoyle, C.; Stevenson, S., and Phillips, J.P., Electrochemical Society Conference, Chicago, IL, May 6-10, **2007**
44. *“Reactivity Differences Among Metallic Nitride Fullerenes in [4+2] Cycloadditions with o-Quinodimethane,”* Deng, X.; Madasu, P.; Mackey, M.; Stevenson, S., and Phillips, J.P., Electrochemical Society Conference, Chicago, IL, May 6-10, **2007**
43. *“Light-Responsive Polymer-Fullerene Adhesives,”* Phillips, J.P.; Deng, X.; Todd, M., and Stevenson, S., Electrochemical Society Conference, Chicago, IL, May 6-10, **2007**
42. *“Reactor R&D of Metallic Nitride Fullerenes,”* Thompson, C.; Coumbe, H.L.; Mackey, M.; Coumbe, C.; Phillips, J.P., and Stevenson, S., Electrochemical Society Conference, Chicago, IL, May 6-10, **2007**
41. *“Production Yields for Metallic Nitride Fullerenes”* Coumbe, H.L.; Stevenson, S.; Thompson, C.; Mackey, M.; Coumbe, C., and Phillips, J.P., Electrochemical Society Conference, Chicago, IL, May 6-10, **2007**

40. *"Preparation of Stationary Phases for Metallic Nitride Fullerene Separations"* Mackey, M.; Carpenter, K.; Phillips, J.P., and Stevenson, S. Electrochemical Society Conference, Chicago, IL, May 6-10, **2007**
39. *"Purification of Rare-Earth Metallic Nitride Fullerenes Using the "Stir and Filter Approach" (SAFA)"* Coumbe, C.; Stevenson, S.; Coumbe, H.L.; Thompson, C.; Mackey, M., and Phillips, J.P., Electrochemical Society Conference, Chicago, IL, May 6-10, **2007**
38. *"Separation Advances for Metallic Nitride Fullerenes"* Stevenson, S. and Phillips, J.P., Electrochemical Society Conference, Chicago, IL, May 6-10, **2007**
37. *"Thiol-Vinyl Ether Hybrid Photopolymerization"* Li, Q.; Wei, H.; Ojelade, M.; Madbouly, S.; Otaigbe, J.; Phillips, P., and Hoyle, C., Materials Research Society, April 10, **2006**
36. *"Kinetic and Mechanical Analysis of Nano-Gold-Thiol-Ene Composite Films"* Mackey, N.; Confait, B.; Deng, X.; Zhou, H.; Hoyle, C. and Phillips, P., Mississippi Academy of Science, Starkville, MS, February 21-23, **2007**
35. *"Absence of Autoacceleration in Aromatic Sulfonyl Azides as Free-Radical Initiators for Photopolymerization"* Confait, B.; Mackey, N.; Shier, E.; Hoyle, S. and Phillips, P., Mississippi Academy of Science, Starkville, MS, February 21-23, **2007**
34. *"Advances Toward Biologically Active Core-Shell Ferrofluids"* Fortenberry, E.; Heaps, D.; Stevenson, S., and Phillips, P., Mississippi Academy of Science, Starkville, MS, February 21-23, **2007**
33. *"Synthesis and Characterization of Functional Iron Oxide Ferrofluids"* Heaps, D.; Fortenberry, E.; Coumbe, C.; Stevenson, S., and Phillips, P., Mississippi Academy of Science, Starkville, MS, February 21-23, **2007**
32. *"Peel and Tack Force Analysis of Rubber-Based Pressure Sensitive Adhesives"* Todd, M.; Deng, X., Stevenson, S., and Phillips, P., Mississippi Academy of Science, Starkville, MS, February 21-23, **2007**
31. *"Mechanism of Light-Responsive Polymer-Fullerene Adhesives"* Deng, X.; Todd, M.; Stevenson, S., and Phillips, P., Mississippi Academy of Science, Starkville, MS, February 21-23, **2007**
30. *"Production of Rare-Earth Metallic Nitride Fullerenes"* Thompson, C.; Coumbe, C.; Mackey, M.; Phillips, P.; Coumbe, H.L., and Stevenson, S., Mississippi Academy of Science, Starkville, MS, February 21-23, **2007**
29. *Scalability Assessment of the SAFA Technique for Isolating Metallic Nitride Fullerenes"* Coumbe, C.; Mackey, M.; Carpenter, K.; Phillips, P.; Heaps, D., and Stevenson, S., "Mississippi Academy of Science, Starkville, MS, February 21-23, **2007**
28. *"Electric-Arc Plasma Synthesis of Metallic Nitride Fullerenes"* Coumbe, H.L.; Thompson, C.; Coumbe, C.; Phillips, P.; Mackey, M., and Stevenson, S., Mississippi Academy of Science, Starkville, MS, February 21-23, **2007**
27. *"Evaluation of Pyrene-Based Stationary Phases for Metallic Nitride Fullerene HPLC Separations"* Carpenter, K.; Mackey, M.; Phillips, P., and Stevenson, S., Mississippi Academy of Science, Starkville, MS, February 21-23, **2007**

26. *"Texture Analysis of Coating Materials"* Deng, X.; Todd, M.L.; Mackey, N.M.; Stevenson, S.A.; Phillips, J.P. 58th Southeast Regional Meeting of the ACS (SERMACS), Paper #38097, Augusta, GA, November 1-4, **2006**
25. *"Surfactant-Containing Iron Oxide Ferrofluids"* Heaps, D.T.; Windham, A.D.; Gray, N.D.; Phillips, J.P. 58th Southeast Regional Meeting of the ACS (SERMACS), Paper #38110, Augusta, GA, November 1-4, **2006**
24. *"Aligned Nanotube-Containing Conductive Coatings Using Magnetic Carriers"* Madasu, P., Phillips, J.P., Stevenson, S., Hoyle, C.E., First Annual International Symposium on Stimuli-Responsive Materials, Hattiesburg, MS, October 31, **2006**
23. *"Polymer-Fullerene Bioadhesives"* Deng, X., Todd, M.L., Stephen, R., Fortenberry, E., Stevenson, S., Phillips, J.P., First Annual International Symposium on Stimuli-Responsive Materials, Hattiesburg, MS, October 31, **2006**
22. *Polymer Fullerene Bioadhesive"* Deng, X., Todd, M.L., Stephen, R., Fortenberry, E., Stevenson, S.S., and Phillips, J.P., " Mississippi Section of the American Chemical Society Regional Meeting, Hattiesburg, MS, October 10, **2006**
21. *"Nanotack Properties of Polystyrene-block-polybutadiene-block-polystyrene and Polystyrene-block-polyisoprene-block-polystyrene/C60 Fullerene Light-Responsive Adhesive anocomposites"* Phillips, J.P.; Stephen, R.R.; Fortenberry, E.L.; Misra, R.; Morgan S.E. 232nd ACS National Meeting, PMSE #380, San Francisco, CA, September 10-14, **2006**
20. *"Molecular orientational dynamics of the endohedral fullerene Sc₃N@C₈₀ as probed by ¹³C and ⁴⁵Sc NMR"* Gorny, K. R.; Pennington, C. H.; Martindale, J. A.; Phillips, J. P.; Stevenson, S.; Heinmaa, I.; Stern, R. Los Alamos National Laboratory, Preprint Archive, Condensed Matter 1-6, **2006**
19. *"Isolation of Metallic Nitride Fullerenes using Amino Silica"* Stevenson, S.; Combe, C.; Yu, H.; Stephen, R.R.; Heaps, D.T.; Phillips, J.P. S.E. 232nd ACS National Meeting, I&EC #59, San Francisco, CA, September 10-14, **2006**
18. *"Photopolymerization Behaviour and Nanomechanical Characterization of UV-Cure Coatings"* Senyurt, A; Phillips, P.; Dennis, G. RadTech, **2006**
17. *"An Alternative Approach for Separating Metallic Nitride Fullerenes (MNFs) from Nanomaterial Mixtures"* Yu, H.; Carpenter, K.; Phillips, J.P.; Stevenson, S. 209th ECS Meeting, Denver, CO, May 7-12, **2006**
16. *"Reduction of Adhesive Properties in Mixtures of Triblock Copolymers and Tackifiers"* Stephen, R.R.; Fortenberry, E.L.; Heaps, D.T.; Stevenson, S.; Long, T.E.; Phillips, J.P. 231nd ACS National Meeting, Atlanta, GA, March 26-30, **2006**
15. *"Separation of Metallic Nitride Fullerene (MNF) Nanomaterial Mixtures via Selective Organic Functionalization"* Yu, H.; Carpenter, K.; Phillips, J.P.; Stevenson, S. Mississippi Academy of Sciences, Vicksburg, MS, February, 22-24, **2006**

14. *"HPLC of Metallic Nitride Fullerene (MNF) Cycloaddition Reaction Mixtures"* Carpenter, K.; Stephen, R.R.; Phillips, J.P.; Stevenson, S. Mississippi Academy of Sciences, Vicksburg, MS, February, 22-24, **2006**
13. *"Toward the Organic Synthesis of Water-Soluble Precursors for Metallic Nitride Fullerene (MNF) Pharmaceuticals"* Madasu, P.; Fortenberry, E.L.; Stephen, R.R.; Phillips, J.P.; Stevenson, S. Mississippi Academy of Sciences, Vicksburg, MS, February, 22-24, **2006**
12. *"Nanotechnology in High-Temperature Packaging of Power Semiconductor Devices"* B.E.Koene, J.P. Phillips, S. Evoy, P. Jaroenapibal, D.J. Li *2005 Nano Materials for Defense Applications Symposium*, Kona, HI, February 22-25, **2005**
11. *"Rotationally Molded Liquid Crystalline Polymers"* Rogers, M.; Stevenson (Phillips), P.; Hulcher, B.; Scribber, E.; Baird, D.; *Society of Manufacturing Engineers, ICCM-14*, San Diego, California, July 14-18, **2003**
10. *"Organic Thin Films with Tunable Dielectric Properties"* M. Rogers; L. Sterner; D. Topasna; M. Vercellino; P. Stevenson (Phillips), *204th Meeting of the Electrochemical Society*, Orlando, Fla., October 12-16, **2003**
9. *"Enhanced Photovoltaic Efficiency in Polymer-Fullerene Composites by Thermally Controlled Interdiffusion"* M. Drees; J.R. Heflin; R.M. Davis; D. Topasna; P. Stevenson (Phillips), *SPIE*, San Diego, CA, Aug 3-8, **2003**
8. *"Rapid-Switching Polymer Electrochromic Devices from Ionically Self-Assembled Multilayer"* J. R. Heflin; J. Janik; C. Choi; S. Yancey, P. Stevenson (Phillips); N. Short, *SPIE*, San Diego, CA Aug 3-8, **2003**
7. *"Fiber Optic/Carbon Nanotube Skin Friction Sensing Device"* A. Sang, M. Gunther, P. Stevenson (Phillips), D. Carnahan *IWCS/Focus 2002-11-20*, Lake Buena Vista, Florida, November 18-21, **2002**
6. *"Rotational Molding of Thermotropic Liquid Crystal Polymers"* Rogers, M; Stevenson (Phillips), P.; Clark, P.; Baird, D.; AMPET 5th Conference, Sept 16-18, **2002**
5. *"The Development and Characterization of Steric Stabilized Silicone Based Magnetic Fluids for use in Ophthalmology"*, J. P. Phillips, C. Li, and J. S. Riffle and J. P. Dailey (Erie Biotechnology Corp., Erie, PA), Polymer Materials and Interfaces Laboratory (PMIL) Industrial Affiliates Review, Blacksburg, Va. September 20-22, **1998**
4. *"Cyclopropylcarbinyl – Homoallyl Related Rearrangements of Radical Ions Generated from Aliphatic Cyclopropyl Ketones"*, Janice Paige Phillips and James M. Tanko, 48th Southeast Regional Meeting of the American Chemical Society, Greenville, SC., November 10-13, **1996**
3. *"Chemistry Following Electron Transfer. Cyclopropylcarbinyl – Homoallyl Rearrangements of Radical Anions"*, Janice Paige Phillips and James M. Tanko, 46th Southeast Regional Meeting of the American Chemical Society, Birmingham, AL, October 16-19, **1994**
2. *"Rearrangements of Radical Anions"*, Janice Paige Phillips and James M. Tanko, The 6th Symposium on the Latest Trends in Organic Synthesis, Blacksburg, VA., September 28–October 2, **1994**

1. *“Kinetics of Borane Exchange on 1,4-Diazabicyclo[2.2.2]octane”*, Janice Paige Phillips, Ann-Alyssa King and Vernon R. Miller, Joint Southeastern – Middle Atlantic Regional Meeting of the American Chemical Society, Arlington, Va. December 6-9, **1992**