

Selected Poster Presentations and Conference Talks

2007:

1. Anthony W Addison, GorDan T. Reeves, Raymond J. Butcher, Allen D. Hunter, Vitaly V. Pavlishchuk, and Matthias Zeller, Synthesis, characterization and comparison of ruthenium(II) complexes of tetradentate thioether- and pyridine-containing ligands and bidentate nitrogen coligands, 233rd ACS National Meeting, Chicago, IL, March 25-29, **2007**, INOR 810.
2. Guy Crundwell, Barry L Westcott, Thomas R. Burkholder, Allen D. Hunter, Matthias Zeller, Aaron Pierpont, Paul Foss, Stefanie Cantalupo, Kristin Kopp, Brian McBurney, Nadine E. Gruhn, and Jason C. Durivage, Molecular and electronic structure of several 2,3-dithienylquinoxalines and their 2:1 complexes with silver(I) nitrate, 233rd ACS National Meeting, Chicago, IL, March 25-29, **2007**, INOR 296.
3. Natalie A. LaFranzo, Paul J. Morrison, Edward B. Flint, Gregory M. Ferrence, and Matthias Zeller, Synthesis and characterization, with X-ray crystal structure, of $\text{Co}(\text{acac})_2(\text{HMTA})_2$, 233rd ACS National Meeting, Chicago, IL, March 25-29, **2007**, CHED 1258.
4. Brian F. Moore, Michael J. Prushan, Matthias Zeller, Allen D. Hunter and Samuel Lofland, Synthesis and characterization of a mixed valence dinuclear nickel (II/III) complex with bis- μ -2-sulfido bridges, 233rd ACS National Meeting, Chicago, IL, March 25-29, **2007**, CHED1250.
5. Reeves, GorDan T.; Addison, Anthony W.; Pavlishchuk, Vitaly V.; Zeller, Matthias. Nickel(II), zinc(II) and ruthenium(II) complexes with tetradentate aminopyridine ligands. Abstracts, 39th Middle Atlantic Regional Meeting of the American Chemical Society, Collegeville, PA, United States, May 16-18, **2007**, MARM-164.
6. Prushan, Michael J.; Waldmann, Oliver; Zeller, Matthias; Hunter, Allen D. A self-assembling nickel hexanuclear complex with unusual magnetic ordering. Abstracts, 39th Middle Atlantic Regional Meeting of the American Chemical Society, Collegeville, PA, United States, May 16-18, **2007**, MARM-152.
7. Research Experiences to Enhance Learning (REEL) Project: Synthesis and Characterization of $\text{KCo}_x\text{Cu}_{(1-x)}\text{F}_3$ ($x = 0$ to 1.0). Rachel Kusnic, Timothy R. Wagner, Allen Hunter and Matthias Zeller, Central Regional Meeting of the American Chemical Society, Covington, KY, May 20-23, **2007**.
8. YSU Project REEL: Synthesis and characterization of $\text{A}(\text{M},\text{N})\text{F}_3$ ($\text{A} = \text{K}$ or NH_4^+ ; $\text{M}, \text{N} = \text{Mn}, \text{Fe}, \text{Co}, \text{Ni}, \text{Cu}, \text{Zn}$). Debbie A. M. Smith, Timothy R. Wagner, Allen D. Hunter and Matthias Zeller, Central Regional Meeting of the American Chemical Society, Covington, KY, May 20-23rd, **2007**.
9. C-H insertion chemistry on furanose platforms. Jennie Patton, Ashley Malich, Calvin Austin, Iulia Sacui, Matthias Zeller and Peter Norris, Central Regional Meeting of the American Chemical Society, Covington, KY, May 20-23, **2007**.
10. McCutcheon, David; Pavlidakey, Katherine; Alhassan, Abdul-Basit; Zeller, Matthias; Norris, Peter. Towards mimics of UDP-N-acetyl-L-fucosamine. Abstracts, 39th Central Regional Meeting of the American Chemical Society, Covington, KY, United States, May 20-23, **2007**, CRM-062.
11. Conway, Ryan; Cox, Adam; Zeller, Matthias; Norris, Peter. Progress towards scalable syntheses of aminosugars found in *S. aureus* capsular polysaccharides. Abstracts, 39th Central Regional Meeting of the American Chemical Society, Covington, KY, United States, May 20-23, **2007**, CRM-060.
12. Zeller, Mathias; Hunter, Allen D.; Pike, Robert D.; Zambrano, Cesar; Ray, Thomas; Dueno, Eric. Stereochemical properties of pyrogallolarenes in the solid state. Abstracts of Papers, 234th ACS National Meeting, Boston, MA, United States, August 19-23, **2007**, ORGN-781.
13. Cesar Zambrano, Matthias Zeller, Allen D. Hunter, Eric Dueno, Synthesis of an equatorial

functionalized carcerand, Abstracts of Papers, 234th ACS National Meeting, Boston, MA, United States, August 19-23, **2007**, ORGN 791.

14. D. Dragancea*, M. Revenco, A.W. Addison, A.D. Hunter, L.K. Thompson, M. Zeller & S. Shova, "New magnetic materials on the base of bis(salicylaldehyde) thiocarbohydrazone copper(II) complexes". Third International Conference on Materials Science and Condensed Matter Physics, Chisinau, Moldova, Oct. **2006**: Paper MSC.64P, p. 119.

15. D. Dragancea*, A. W. Addison, A. D. Hunter, M. Zeller & L. K. Thompson, "Synthesis and crystal structure of a new copper(II) complex with 1,5-bis(o-aminobenzaldehyde)thiocarbohydrazone", XXIIIrd International Chugaev Conference, Odessa, Ukraine, Sept. **2007**.

16. Hydrothermal Synthesis of Two Basic Lead Carboxylates, Catherine M. Oertel, Catherine M. Mauck, Titus van den Heuvel, Matthias Zeller, Poster presentation at the Ohio Inorganic Weekend **2007**, Nov. 9-10.

2006:

1. Organometallic NanoMaterials. Zeller, Matthias; Hunter, Allen D.; DiMuzio, Steven J.; Lazich, Evelyn; Payton, John L.; Perrine, Cynthia; Updegraff, James B.; Hoff, Raymond. Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, **2006**, INOR-356.

2. The STaRBURSTT: CyberDiffraction Consortium undergraduate research initiative. Hunter, Allen D.; Bond, Marcus; Butcher, Raymond J.; Crundwell, Guy; Ferrence, Gregory M.; Kantardjieff, Katherine A.; Wagner, Timothy R.; Zeller, Matthias; Hoff, Raymond. Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, 2006 (2006), INOR-313. Dimers, trimers and hexamers: Nickel(II) thioether oxime complexes. Prushan, Michael J.; Addison, Anthony W.; Pavlishchuk, V. V.; Zeller, Matthias; Hunter, Allen D.; Waldmann, Oliver; Butcher, Raymond J.; Thompson, Lawrence K. Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, **2006**, INOR-186.

3. A μ_6 -oxo- centered hexanuclear nickel(II) complex: Self-assembly using a thioether-oxime ligand. Prushan, Michael J.; Waldmann, Oliver; Zeller, Matthias; Hunter, Allen D. Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, **2006**, INOR-185.

4. Stabilizing copper(I) with oxime ligands: Does sulfur or nitrogen do a better job? Oleske, Jeffrey B.; Prushan, Michael J.; Zeller, Matthias; Hunter, Allen D. Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, **2006**, CHED-948.

5. Polynuclear complexes with pyridyl thioether oxime and dithiooximide oxime ligands. Stephens, Jason R.; Prushan, Michael J.; Zeller, Matthias; Hunter, Allen D. Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, **2006**, CHED-930.

6. Nickel(II) complexes with bulky thioether-oxime ligands. Prokop, Katharine A.; Prushan, Michael J.; Zeller, Matthias; Hunter, Allen D. Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, **2006**, CHED-925.

7. The STaRBURSTT - CyberDiffraction Consortium education initiative. Hunter, Allen D.; Bond, Marcus; Butcher, Raymond J.; Crundwell, Guy; Ferrence, Gregory M.; Kantardjieff, Katherine A.; Szalay, Paul; Wagner, Timothy R.; Zeller, Matthias; Hoff, Raymond; Ramirez, Laura; Higgins, Thomas. Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, **2006**, CHED-114.

8. A review of the crystallographic/diffraction education literature. DiMuzio, Steven J.; Snyder, William E.; Szalay, Paul; Zeller, Matthias; Hunter, Allen D. Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, **2006**, CHED-113.
9. Synthesis and reactions of novel azidodeoxy and diazosugars. Sacui, Iulia; Vicarel, Monica; Risi, Roberto; Zeller, Matthias; Norris, Peter. Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, **2006**, CARB-029.
10. Towards mimics of the aminosugars found in the capsular polysaccharides of *S. aureus* types 5 and 8. Alhassan, Abdul-Basit; Duncan, Sara; Maust, Mathew; Zeller, Matthias; Norris, Peter. Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, **2006**, CARB-028.
11. Dimers, trimers and hexamers: Nickel(II) thioether oxime complexes. Prushan, Michael J.; Addison, Anthony W.; Pavlishchuk, V. V.; Zeller, Matthias; Hunter, Allen D.; Waldmann, Oliver; Butcher, Raymond J.; Thompson, Lawrence K. Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, **2006**, INOR-186.
12. How complicated can it get: Diprotonated meso-tetra (5'-methylthien-2'-yl) porphyrin as its bistriflate salt. Matthias Zeller, Allen D. Hunter, Christian Brücknerb, Paul C. D. Foss, James O. Sullivan, Ryan Pelto, Robert R. Birge, Guy Crundwell, 23rd European Crystallographic Meeting August 6 to 11, **2006** - Leuven, Belgium.
13. The STaRBURSTT - CyberInstrumentation Consortium - CyberEnabled Instrumentation Access. Hunter, A. D.; Wagner, T. R.; Bond, M.; Butcher, R. J.; Crundwell, G.; Ferrence, G. M.; Kantardjieff, K.; Ramirez, L.; Higgins, T.; Szalay, P.; Zeller, M., 23rd European Crystallographic Meeting August 6 to 11, **2006** - Leuven, Belgium.
14. The STaRBURSTT - CyberInstrumentation Consortium - CyberEnabled Crystallographic Education. Hunter, A. D.; Zeller, M.; Wagner, T. R.; Bond, M.; Butcher, R. J.; Crundwell, G.; Ferrence, G. M.; Kantardjieff, K.; Ramirez, L.; Higgins, T.; Szalay, P., 23rd European Crystallographic Meeting August 6 to 11, **2006** - Leuven, Belgium.
15. [5,10,15,20-tetrakisphenyl-2-ethoxy-3-oxa-chlorinato]Ag(II): Does refinement of an asymmetric molecule disordered around a four fold axis make sense? Matthias Zeller, Allen D. Hunter, Christian Brückner, Jason R. McCarthy, Steven H. Capetta, 23rd European Crystallographic Meeting August 6 to 11, **2006** - Leuven, Belgium.
16. Hunter, A. D.; Zeller, M.; Wagner, T. R.; Hoff, R.; Szalay, P.: "STEM 2020: Enabling Multidisciplinary and Multiinstitutional Collaborations via Remote Instrument Access and Collaboration Procedures - The STaRBURSTT-CyberTools Project," The Council on Undergraduate Research Meeting, DePauw University, June 24th - 27th, **2006**.
17. Zeller, M.; Hunter, A. D.; Wagner, T. R.; Hoff, R.; Szalay, P.: "Single Crystal Diffraction as a Routine Undergraduate Research Tool & The STaRBURSTT CyberDiffraction Consortium," The Council on Undergraduate Research Meeting, DePauw University, June 24th - 27th, **2006**.
18. STaRBURSTT - CIC: CyberEnabled Instrumentation Access. A. D. Hunter, P. S. Szalay, T. R. Wagner, M. Zeller, M. Bond, R. J. Butcher, G. Crundwell, G. M. Ferrence, K. Kantardjieff, L. Ramirez, T. Higgins, 2006 Meeting of the American Crystallographic Association, July 22 to July 27, **2006**, Honolulu, Hawaii.
19. The STaRBURSTT - CIC - Teaching Initiative. P. S. Szalay, M. Bond, R. J. Butcher, G. Crundwell, G. M. Ferrence, K. Kantardjieff, L. Ramirez, T. Higgins, M. Zeller, A. D. Hunter, 2006 Meeting of the American Crystallographic Association, July 22 to July 27, **2006**, Honolulu, Hawaii.

20. The STaRBURSTT - CyberInstrumentation Consortium - CyberEnabled Instrumentation Access, Hunter, A. D.; Szalay, P.; Wagner, T. R.; Zeller, M.; Hoff, R.; Bond, M.; Butcher, R. J.; Crundwell, G.; Ferrence, G. M.; Kantardjieff, K.; Ramirez, L.; Higgins, T.: "The STaRBURSTT - CyberInstrumentation Consortium - CyberEnabled Instrumentation Access," 2006 Biennial Conference on Chemical Education Meeting, Purdue University, July 30th-August 3rd, **2006**.
21. Hunter, A. D.; Szalay, P.; Wagner, T. R.; Zeller, M.; Hoff, R.; Higgins, T.; Bond, M.; Butcher, R. J.; Crundwell, G.; Ferrence, G. M.; Kantardjieff, K.; Ramirez, L.: "The STaRBURSTT - CyberDiffraction Consortium - Hands On Crystallography for Everyone," 2006 Biennial Conference on Chemical Education Meeting, Purdue University, July 30th-August 3rd, **2006**.
22. Dimethylthioarsinic anhydride: A standard for arsenic speciation, Michael Fricke, Matthias Zeller, Sean Conklin, Patricia Creed, Carol Schwegel, Mark Witowski, John Creed, PittCON 2006, Atlanta, March 12th -17th **2006**.
23. Diane M. Conrad, Jennifer DeCoskey, Jesse Williamson, Matthias Zeller and Edward P. Zovinka. Structural and Solution Characterization of Metal Complexes of Tetra(2,6-dimethoxyphenyl)porphyrins, 38th ACS Middle Atlantic Regional Meeting, June 4th-7th, **2006**.
24. GorDan T. Reeves, Anthony W. Addison, Raymond J. Butcher, Allen D. Hunter, Sadik Elshani, Alexander M. Falat, Vitaly V. Pavlishchuk, Matthias Zeller, L.V. Pisarzhevskii, Synthesis, Characterization and Comparison of Ruthenium(II) Complexes of Tetradentate Thioether- and Pyridine-Containing Ligands and Bidentate Nitrogen Coligands, ACS Mid-Atlantic Regional Meeting, Hershey, June 4-7 **2006**.
25. Diana Dragancea, Anthony W. Addison, Allen D. Hunter, Laurence K. Thompson and Matthias Zeller, Synthesis and structures of new binuclear copper(II) complexes with bis(3-alkoxy-2-hydroxybenzaldehyde)thiocarbohydrazones, ACS Mid-Atlantic Regional Meeting, Hershey, June 4-7 **2006**.
26. Some bis(azacycle)isoindolines and mono-, di- & trinuclear complexes of nickel(II) derived from them. Evan M. Beard, Anthony W. Addison, Matthias Zeller, Andrew J. Milewski, Samuel Lofland, Lindsay E. Crist, Lawrence M. Wolf, and Allen D. Hunter, 232nd ACS National Meeting, San Francisco, CA, September 10-14, **2006**.

2005:

1. The Synthesis and Characterization of Poly(Cyclodiborazane) Derivatives Incorporating Bis(Alkylthio)Maleonitrile Derivatives. Mark R. Pineau, Stanley Backiel, Besnik Bajrami, M. J. Gerald. Lesley, Alexandru D. Asandei, Allen D. Hunter, Matthias Zeller. Poster Presentation at the 88th CSC conference, Saskatoon, Saskatchewan May **2005**.
2. Remote access and instrumentation consortia for undergraduate education and research. Allen D. Hunter, Matthias Zeller, Timothy Wagner, Raymond Hoff, and Paul Szalay, Talk at the 229th ACS National Meeting, San Diego, CA, March 13-17, **2005**.
3. Synthesis and structures of pyranose N-glycosyl amides and triazoles. Peter Norris, David Temelkoff, Craig Smith, Matthias Zeller, and Mo Hunsen, Poster at the 229th ACS National Meeting, San Diego, CA, March 13-17, **2005**.
4. Single crystal diffraction methods: How low can/should you go? Allen D. Hunter, Steven J. DiMuzio, William E. Snyder, and Matthias Zeller, Talk at the 229th ACS National Meeting, San Diego, CA, March 13-17, **2005**.

5. Electronic structure of thienyl quinoxalines. Kristin Kopp, Guy Crundwell, Jason C. Durivage, Nadine E Gruhn, Aaron Pierpont, Paul Foss, Brian McBurney, Thomas R. Burkholder, Matthias Zeller, Allen D. Hunter, and Barry L. Westcott, Poster at the 229th ACS National Meeting, San Diego, CA, March 13-17, **2005**.

6. Towards organometallic nanowires and nanostars. Allen D. Hunter and Matthias Zeller, Poster at the 229th ACS National Meeting, San Diego, CA, March 13-17, **2005**.

7. The serendipitous synthesis, isolation, and characterization of three complexes of Cu with the ligand di-2-pyridylmethanediol. Barry L. Westcott, Kristin Kopp, Allen D. Hunter, and Matthias Zeller, Talk at the 229th ACS National Meeting, San Diego, CA, March 13-17, **2005**.

8. From ethanediones to quinoxalines to silver complexes. Vanessa Stacy, Stefanie Cantalupo, Brian McBurney, Guy Crundwell, Matthias Zeller, James B. Updegraff III, and Allen D. Hunter, Poster at the 229th ACS National Meeting, San Diego, CA, March 13-17, **2005**.

9. Synthesis and Characterization of Equilateral Nickel(II) Triangular Complexes. L. A. Mattioli, P. S. Mangel, M. J. Prushan, M. Zeller, A. D. Hunter, S. Lofland, La Salle University Research Day Poster Session, April **2005**.

10. Synthesis and Structure of Oxime-Based Polynuclear Complexes. T. I. Maguire, M. J. Prushan, M. Zeller, A. D. Hunter, La Salle University Research Day Poster Session, April **2005**.

11. Hunter, Allen D.; Bond, Marcus; Crundwell, Guy; Ferrence, Gregory M.; Kantardjieff, Katherine A.; Szalay, Paul; Wagner, Timothy R.; Zeller, Matthias; Hoff, Raymond. The STaRBURSTT - CyberDiffraction Consortium undergraduate research initiative. Poster, 230th ACS National Meeting, Washington, DC, United States, Aug. 28-Sept. 1, **2005**, INOR-384.

12. DeCoskey, Jennifer; Conrad, Diane M.; Zovinka, Edward P.; Zeller, Matthias. Tetra(2',6' - dimethoxyphenyl)porphyrins as a model for Hydroxylamine Oxidoreductase. Poster, 230th ACS National Meeting, Washington, DC, United States, Aug. 28-Sept. 1, **2005**, INOR-100.

13. Hunter, Allen D.; DiMuzio, Steven J.; Lazich, Evelyn; Payton, John L.; Perrine, Cynthia; Updegraff, James B.; Zeller, Matthias; Hoff, Raymond. Organometallic NanoMaterials. Poster, 230th ACS National Meeting, Washington, DC, United States, Aug. 28-Sept. 1, **2005**, INOR-064.

14. Hunter, Allen D.; Bond, Marcus; Crundwell, Guy; Ferrence, Gregory M.; Kantardjieff, Katherine A.; Szalay, Paul; Wagner, Timothy R.; Zeller, Matthias; Hoff, Raymond. The STaRBURSTT: CyberDiffraction Consortium education initiative. Poster, 230th ACS National Meeting, Washington, DC, United States, Aug. 28-Sept. 1, **2005**, CHED-064.

15. Hunter, Allen D.; Szalay, Paul; Wagner, Timothy R.; Zeller, Matthias; Hoff, Raymond. Criteria for, and implementation of, remote instrumentation access. Poster, 230th ACS National Meeting, Washington, DC, United States, Aug. 28-Sept. 1, **2005**, ANYL-066.

2004:

1. Remote Access as an Enabling Technology for Undergraduate Crystallographic / Diffraction Education and Research at a Consortium of Predominantly Undergraduate Institutions. Allen D. Hunter, Matthias Zeller, Timothy R. Wagner, Raymond Hoff, Paul Szalay, Poster at the 228th ACS National Meeting, Philadelphia, PA, United States, August 22-26, **2004**.

2. Computational and Photoelectron Spectroscopic Investigations of (Arene)Cr(CO)₃ Complexes - Structure/Property Relationships. Allen D. Hunter, John L. Payton, Matthias Zeller, Cynthia Perrine, Barry L. Westcott, Nadine E. Gruhn, Poster at the 228th ACS National Meeting, Philadelphia, PA, United States, August 22-26, **2004**.
3. Organometallic Nanostars from Ferrocenyl Isonitrile to Metal Phosphine Building Blocks. Allen D. Hunter, Matthias Zeller, Cynthia Perrine, John L. Payton, John L. Woolcock, John L.; Barry L. Westcott, Poster at the 228th ACS National Meeting, Philadelphia, PA, United States, August 22-26, **2004**.
4. Isonitrile Bridged Organometallic Building Blocks and Nanowires. Allen D. Hunter, Matthias Zeller, John L. Payton, Evelyn Lazich, James B. Updegraff, Barry L. Westcott, Poster at the 228th ACS National Meeting, Philadelphia, PA, United States, August 22-26, **2004**.
5. Synthesis of diverse sugar-derived 1,2,3-triazoles. Norris, Peter; Wagner, Timothy, Poster at the 228th ACS National Meeting, Philadelphia, PA, United States, August 22-26, **2004**.
6. Formation of new N-glycosides from D-mannofuranose. Miner, Penny; Vicarel, Monica; Seibel, Harry; Wagner, Timothy; Norris, Peter. Poster at the 227th ACS National Meeting, Anaheim, CA, United States, March 28-April 1, **2004**.
7. Using discovery learning experiences to facilitate student integration of diverse concepts: Structure-property relationships in (Arene)Cr(CO)₃ chemistry. Hunter, Allen D. Talk at the 228th ACS National Meeting, Philadelphia, PA, United States, August 22-26, **2004**.

2003:

1. Synthesis of N- and C-glycoside glycomimetics. Norris, Peter; Bailor, Maximillian; Bernardina, Matthew; Finamore, Alyson; Wagner, Timothy. Poster at the 225th ACS National Meeting, New Orleans, LA, United States, March 23-27, **2003**.
2. Nucleophilic Metal-Organic Frameworks and Polymers. Szalay, P. S.; Rader, N.; Zeller, M.; Hunter, A. D. 112th Annual Meeting of the Ohio Academy of Science, Finlay, Ohio, April 5th, **2003**.
3. Metal-Organic Molecular Clusters and Frameworks. Szalay, P. S.; Rader, N.; Zeller, M.; Hunter, A. D. 35th Great Lakes Regional ACS Meeting, Chicago, May, **2003**.
4. Ligand Design for NLO Active Organometallic NanoWires. Takas, N. J.; Hunter, A. D.; Updegraff, J. B.; DiMuzio, S. J. Duquesne (Ohio-Pennsylvania Regional) NSF-REU Undergraduate Research Poster Session, Duquesne University, Pittsburgh, July 23rd, **2003**.
5. Synthesis and Characterization of Organometallic NanoWires and NanoStars. Lazich, E.; Hunter, A. D.; Zeller, M. 42nd IUPAC General Assembly, Ottawa, Canada, August 11th, **2003**.
6. 0th and 1st Generation Organometallic Nanostars from Ferrocenyl Amine. Perrine, C. L.; Zeller, M.; Hunter, A. D.; Woolcock, J. 35th Central Regional Meeting of the American Chemical Society, Monday, Oct 20th, **2003**.
7. CN-C₆X₄-NC and M(Ar₂ PCH₂CH₂PAR₂)₂ (CN-C₆X₄-NC)₂ as Building Blocks of Bi- and Tri-Metallic Model Organometallic Nanomaterials. Lazich, E.; DiMuzio, S. J.; Zeller, M.; Hunter, A. D. 35th, **2003**.
8. Ligand Design for NLO Active Organometallic Nanowires. Updegraff, J. B.; Takas, N. J.; Wilcox, R.; Zeller, M.; Hunter, A. D. 35th Central Regional Meeting of the American Chemical Society, Monday, Oct 20th, **2003**.
9. Remote Access as an Enabling Technology for Undergraduate Crystallographic/Diffraction Education

and Research at PUI Consortia. Hunter, A. D.; Zeller, M.; Szalay, P. S. 35th Central Regional Meeting of the American Chemical Society, Pittsburgh, PA, Monday, Oct 20th, **2003**.

10. A review of the crystallographic/diffraction education literature. DiMuzio, Steven; Snyder, William; Hunter, Allen; Szalay, Paul. Poster at the 35th Central Regional Meeting of the American Chemical Society, Pittsburgh, PA, United States, October 19-22th, **2003**.

11. Spectroscopic, electrochemical, and computational studies of model organometallic nanomaterials. Payton, John; Hunter, Allen. Poster at the 35th Central Regional Meeting of the American Chemical Society, Pittsburgh, PA, United States, October 19-22th, **2003**.

2002:

1. Synthesis of Organometallic Materials Exhibiting Nonlinear Optical (NLO) Properties. Walther, L. A.; Zeller, M.; Hunter, A. D. Ohio-Michigan Regional NSF-REU Undergraduate Research Poster Session, Kent State University, July 24th, **2002**.

2. Synthesis of Molybdenum Organometallic Compounds. Wilcox, R. J.; Zeller, M.; Hunter, A. D. Ohio-Michigan Regional NSF-REU Undergraduate Research Poster Session, Kent State University, July 24th, **2002**.

3. Synthesis and Characterization of Organometallic Ferrocenes. Snyder, Floyd, III; Zeller, M.; Hunter, A. D. Ohio-Michigan Regional NSF-REU Undergraduate Research Poster Session, Kent State University, July 24th, **2002**.

4. Nucleophilic Metal-Organic Frameworks. Rader, N.; Szalay, P.; Zeller, M.; Hunter, A. D. Central Ohio Undergraduate Research Symposium, Capital University, Columbus, Ohio, October, **2002**.

5. Investigation of Organometallic Framework Compounds As Heterogeneous Catalysts. Chema, A. R.; Szalay, P. S.; Zeller, M.; Hunter, A. D. Central Ohio Undergraduate Research Symposium, Capital University, Columbus, Ohio, October, **2002**.

6. The NMR approach: A model for diffraction instruction in the 21st century. Hunter, Allen D.; DiMuzio, Steven J.; McSparrin, Les; Snyder, William. Abstracts of Papers, 224th ACS National Meeting, Boston, MA, United States, August 18-22, **2002**.

7. X-Ray diffraction analysis throughout the curriculum: a powerful tool for understanding molecular structure and bonding. DiMuzio, Steven J.; Hunter, Allen D.; Lowery-Bretz, Stacey; McSparrin, Les; Snyder, Bill. Poster at the 223rd ACS National Meeting, Orlando, FL, United States, April 7-11, **2002**.

8. A research based MS program designed to meet both teacher's professional development needs and the research needs at PUIs. Hunter, Allen D.; Lowery-Bretz, Stacey; DiMuzio, Steven J.; Snyder, Bill; McSparrin, Les. Poster at the 223rd ACS National Meeting, Orlando, FL, United States, April 7-11, **2002**.

9. X-Ray diffraction analysis throughout the curriculum: How low can (should) you go. Hunter, Allen D.; DiMuzio, Steven J. Poster at the 223rd ACS National Meeting, Orlando, FL, United States, April 7-11, **2002**.