Robin Suzanne Tanke

Education

1995-1997 Texas A&M University Corpus Christi
12 credit hours in Psychology

1986-1990 Yale University
Ph.D. Chemistry
Research Advisor: Robert H. Crabtree

1982-1986 University of Notre Dame
B.S. Chemistry with High Honors
Research Advisor: Marvin J. Miller

Professional Experience

2008-present
University of Wisconsin-Stevens Point
Professor of Chemistry
2004-2008
University of Wisconsin-Stevens Point
Associate Professor of Chemistry
1998 - 2004
University of Wisconsin-Stevens Point
Assistant Professor of Chemistry
1992 – 1998
Celanese Ltd. (a member of the Hoechst Group)
Title: Senior Research Chemist
1997- 1998
Del Mar College
Adjunct Faculty (Organic Chemistry)
1991-1992
N.I.H. Postdoctoral Fellow
University of Wisconsin-Madison
Sponsor: Charles P. Casey

Teaching

Spring 2010
Chemistry 106 Fundamental Chemistry - 71 students
Chemistry 325 Organic Chemistry Lab – 24 students
Fall 2009
Chemistry 105 Fundamental Chemistry - 96 students
Chemistry 329 Organic Chemistry – 9 students
Spring 2009
Chemistry 106 Fundamental Chemistry laboratory - 47 students
Chemistry 298 Nanotechnology – 15 students
Chemistry 325 Organic Chemistry – 23 students
Fall 2008
Chem 326 Organic Chemistry – 20 students
Chemistry 395 Chemistry Seminar – 17 students
Chemistry 329 Advanced Synthesis Lab- 11 students
Spring 2008
Chemistry 106 Fundamental Chemistry Laboratory - 72 students
Chemistry 325 Organic Chemistry – 24 students
Fall 2007
Chem 326 Organic Chemistry – 24 students

Chemistry 395 Chemistry Seminar – 15 students
Chemistry 329 Advanced Synthesis Lab- 5 students

Spring 2007

Chemistry 101 Basic Chemistry laboratory - 22 students
Chemistry 298 Nanotechnology – 9 students
Chemistry 325 Organic Chemistry – 20 students

Fall 2006

Chem 326 Organic Chemistry – 40 students
Chemistry 395 Chemistry Seminar – 14 students
Chemistry 329 Advanced Synthesis Lab- 7 students

Spring 2006

Chemistry 106 Fundamental Chemistry II - 72 students

Fall 2005

Chemistry 395 Chemistry Seminar – 15 students
Chemistry 329 Advanced Synthesis Lab- 12 students

Spring 2005

Chemistry 106 Fundamental Chemistry II - 74 students
Chemistry 328 Organic Chemistry Lab – 24 students

Fall 2004

Chemistry 105 Fundamental Chemistry I – 101 students
Chemistry 329 Advanced Synthesis Lab- 9 students

Spring 2004

Chem 298 Introductory Nanotechnology – 21 students
Chem 326 Organic Chemistry – 30 students
Chem 328 Organic Chemistry Lab – 34 students

Fall 2003

Chemistry 325 Organic Chemistry – 63 students
Chemistry 329 Advanced Synthesis Lab- 7 students
Chemistry 101 L Introductory Chemistry Lab – 48 students

Spring 2003

Chemistry 326 Organic Chemistry - 37 students
Chemistry 328 Organic Chemistry Lab – 40 students

Fall 2002

Chemistry 325 Organic Chemistry – 56 students
Chemistry 329 Advanced Synthesis Lab- 9 students
Chemistry 105 L Fundamental Chemistry Lab – 49 students

Spring 2002

Group Leader for IP Semester Abroad in London
INTL 399: Contributions of British Scientists
INTL 399A: Continental Tour

Fall 2001

Chemistry 325 Organic Chemistry – 53 students
Chemistry 329 Advanced Synthesis Lab- 7 students
Chemistry 105 L Fundamental Chemistry Lab – 48 students

Spring 2001

Chemistry 106 Fundamental Chemistry II - 65 students
Chemistry 328 Organic Chemistry Lab – 22 students

Fall 2000

Chemistry 105 Fundamental Chemistry I - 121 students
Chemistry 329 Advanced Synthesis Lab - 8 students

Spring 2000

Chemistry 106 Fundamental Chemistry II - 65 students
Chemistry 328 Organic Chemistry Laboratory I - 18 students

Fall 1999

Chemistry 105 Fundamental Chemistry I - 95 students

Spring 1999

Chemistry 106 Fundamental Chemistry II - 35 students
Chemistry 328 Organic Chemistry Laboratory I - 21 students
Fall 1998
Chemistry 105 Fundamental Chemistry I - 62 students

Patents and Publications

Chemical, Electrochemical, and Theoretical Investigations of $[(Cp)Ru(CO)_3]^+$ and $[(Ind)Ru(CO)_3]^+$, Badger, R.C., D'Acchioli, J.S., Gamoke, B.C., Kim, S.B., Oudenhoven, T.A., Sweigart, D.A., Tanke, R.S. *Organometallics*, **2009**, *28* (2), 418–424.

Science of Nanotechnology: An Introductory Text, Luanne Tilstra, Dan Jelski, Robin Tanke, Guoping Zhang; Allen Broughton, Alex Popov, Valentina French, Art Western, and Tom George, Nova Science Publishers, Inc. Hauppauge, NY, 2008.

1,2-bis(di(trifluoromethylphenyl)phosphino)ethane M. A. Bork; A. M. Krueger; R. S. Tanke; J. G. Brummer. *Acta. Cryst. E.* **2008**. E64, o421.

2-Amino-4-methylbenzothiazole R. S. Tanke, B. M. Foxman *Acta Cryst. E.***2007**, *E63*, o4718.

Synthesis of isolated silver nanoparticles and their aggregates manipulated by light A. K. Popov [*], J. Brummer, R. S. Tanke, G. Taft, M. Loth [2], R. Langlois, A. Wruck, R. Schmitz *Laser Physics Letters* **Published Online:** 16 Aug 2006

Laser-stimulated synthesis of large fractal silver nanoaggregates. A K Popov , R S Tanke , J Brummer , M Loth , R Langlois , A Wruck, G Taft, and R Schmitz **2006,** *17,* *Nanotechnology* 1901-1905.

Dichlorobis(triphenylphosphine oxide)magnesium . Kucera, Benjamin E.; Olmstead, Marilyn E.; Tanke, Robin S.; Kauzlarich, Susan M. *Acta. Cryst.* **2003**, E59, m359-m360.

Synthesis of Germanium Nanoclusters with Irreversibly Attached Functional Groups: Acetals, Alcohols, Esters and Polymers. Robin S. Tanke, Susan M. Kauzlarich, Timothy E. Patten, Katherine A. Pettigrew, Drew L. Murphy, Mark E. Thompson, Howard W. H. Lee *Chem. Mater.***2003,** *15*, 1682-1689.

Addition of Iridium to the Rhodium/Inorganic iodide Catalyst System Cheung, H.; Sibrel, E. C. Tanke, R. S.; Torrenece, G. P. PATENT ASSIGNEE(S):Celanese International Corporation US 6,211,405 B1 April 3, 2001.

Removal of permanganate-reducing compounds and alkyl iodides from a carbonylation process stream. Singh, Madan; Blay, George A.; Karnilaw, Michael L.; Meilchen, Melchior A.; Picard, Wayne David; Santillan, Valerie; Scates, Mark O.; Tanke, Robin Suzanne; Torrence, G. Paull; Vogel, Richard F., Jr.; Warner, R. Jay. (Hoechst Celanese Corp., USA) US 6,143,930, November 7, 2000.

"Acetic Acid" in *Ullman's Encyclopedia of Industrial Chemistry, 6th edition* **1999** Electronic Release Cheung, H.; Tanke, R. S.; Torrence, G. P.

Removal of permanganate-reducing compounds and alkyl iodides from a methanol carbonylation product stream in the manufacture of high-purity acetic acid. Singh, Madan; Blay, George A.; Karnilaw, Michael L.; Meilchen, Melchior A.; Picard, Wayne David; Santillan, Valerie; Scates, Mark O.; Tanke, Robin Suzanne; Torrence, G. Paull; Vogel, Richard F., Jr.; Warner, R. Jay. (Hoechst Celanese Corp., USA). PCT Int. Appl., 24 pp WO 9817619 A2 980430 Application: WO 97-US18711 971017. Priority: US 96-735361 961018 AN 1998:268464

Colloidal palladium-gold alloy catalyst for vinyl acetate production. Tanke, Robin Suzanne. (Hoechst Celanese Corporation, USA). PCT Int. Appl., 25 pp. CODEN: PIXXD2. WO 9733690 A1 970918.

Mechanism of alkyne reduction by the heterobimetallic dihydride $Cp(CO)_2Re(\mu\text{-}H)Pt(H)(PPh_3)_2$.

Casey, Charles P.; Wang, Yan; Tanke, Robin S.; Hazin, Paulette N.; Rutter, Edward W., Jr. *New J. Chem.* **1994**, 18(1), 43-50.

Kinetic generation of cis-cyclopentadienyl(dicarbonyl)rhenium dihydride from the reaction of $(C_5H_5)Re(CO)_2(\mu\text{-}H)Pt(H)(PPh_3)_2$ with diphenylacetylene. Casey, Charles P.; Tanke, Robin S.; Hazin, Paulette N.; Kemnitz, Carl R.; McMahon, Robert J. *Inorg. Chem.* **1992**, 31(26), 5474-9.

Organometallic chemistry of platinum metals in a N- or O-donor environment. Tanke, Robin Suzanne. Yale Univ., New Haven, CT, USA. (1990) 146 pp. Avail.: Univ. Microfilms Int., Order No. DA9122302 From: Diss. Abstr. Int. B 1991, 52(3), 1428.

Ruthenium in an oxygen donor environment: properties and reactions of η^3-$(RPO(C_6H_4O)_2)^{2-}$, η^3-$(CpCo(PO(OEt)_2)_3)^{1-}$ and η^3-$HC(POPh_2)_3$ complexes of ruthenium. Tanke, Robin S.; Holt, Elizabeth M.; Crabtree, Robert H. *Inorg. Chem.* **1991**, 30(8), 1714-19.

Stabilization of iridium(I), -(III), and -(V) in an oxygen-donor ligand environment and the selective dehydrogenative silylation and hydrosilylation of ethylene with $\{C(Ph_2P{:}O)_3\}Ir(ol)_2$. Tanke, Robin S.; Crabtree, Robert H. *Organometallics* **1991**, 10(2), 415-18.

Iridium(I), -(III), and -(V) complexes of an O-donor ligand in alkyne hydrosilylation. Tanke, Robin S.; Crabtree, Robert H. *J. Chem. Soc., Chem. Commun.* **1990**, (15), 1056-7.

Unusual activity and selectivity in alkyne hydrosilylation with an iridium catalyst stabilized by an oxygen-donor ligand. Tanke, Robin S.; Crabtree, Robert H. *J. Am. Chem. Soc.* **1990**, 112(22), 7984-9.

[4,3]-Additions to α,β-unsaturated ketones via η^2-C:C binding to a ruthenium complex. Tanke, Robin S.; Crabtree, Robert H. Chem. Dep. *Tetrahedron Lett.* **1988**, 29(51), 6737-40.

Synthesis of α-amino acids by reduction of α-oximino esters with titanium(III) chloride and sodium borohydride. Hoffman, Christopher; Tanke, Robin S.; Miller, Marvin J *J. Org. Chem.* **1989**, 54(15), 3750-1.

Ring slip in associative reactions of some indenyl- and phenylcyclopentadienyliridium complexes. Habib, Afroze; Tanke, Robin S.; Holt, Elizabeth M.; Crabtree, Robert H. *Organometallics* **1989**, 8(5), 1225-31.

Electrophilic sulfur transfer reactions in organic synthesis. Preparation of a diastereomer of the key macrocyclic component of griseoviridin. Liu, Li; Tanke, Robin S.; Miller, Marvin J *J. Org. Chem.* **1986**, 51(26), 5332-7

Grants Received

- November 2009, IT minigrant, upgrading the Performance & Security for the Chemistry Departments Cary UV/Visible Absorption Spectrometer, $1000 (with J. Brummer)
- May 2009, UPDC grant, "Preparation, Characterization, and Reactivity Studies of Germanium Compounds." ; $ 2,023.
- November 2008, IT minigrant, Purchase of Cambridge Structure Database 2009, $550
- December 2007, UPDC Publications Funds, $ 176.25
- March 2007, L&S Enhancement Fund , "Crystallography Summer School," $1,000
- March 2006, L&S Enhancement Fund "Summer Research Opportunity for First Year College Students." (with Bob Badger and Jim Brummer ,$7,872.)
- April 2005, FACETS Summer '05 Stipend, $3500
- February 2005, L&S Enhancement Grant for "Three freshman and sophomore student research projects", $8352.00 (with Laura Cole and Bob Badger)

- June 2004, NSF, CHE- 0418931 , "URC Planning Grant: University of Wisconsin System Undergraduate Research Center ", $50,000
- October 2003, UEI money $1000 for Nick Travia to attend the ACS Meeting.
- May 2003, NSF NUE: Sophomore Course and Ancillaries in Nanoscience (SCAN), $ 100,000 (Joint Proposal with faculty from : Rose-Hulman Institute of Technology (RHIT), Indiana State University (ISU), and University of Wisconsin-Stevens Point)
- January 2003, Research Site for Educators in Chemistry at the University of Minnesota. " Preparation of Materials for Photoinduced Electron Transfer", $ 20, 133.
- PRF summer supplemental grant UC-Davis 2002, $ 8,000
- Foundation Grant 2002, $1,000
- IT Minigrant 2001, $699.00
- UPDC Grant 2001, Preparation and Characterization of Germanium Nanoclusters $ 1009.65
- PRF summer supplemental grant UC-Davis 2001 $ 6,500
- UEI funds for 2000-2001, $300.00
- NSF Summer Program in Solid State Chemistry $5,000 + travel expenses
- IT Minigrant Spring 2000, $ 599.00
- UEI funds for academic year 1999-2000 $250.00
- 1998-1999 from UW-Stevens Point "Reactions of Acetals and orthoformates with Iridium Complexes: A search for New Carbon Carbon Bond Forming Reactions." $1000 New Faculty Grant and $ 3179 UPDC Grant.
- 1990-1992 N.I.H. Postdoctoral Fellowship, $ 43,000

Grants Not Funded

- 2006 NSF Grant # 0629180 "Wisconsin Undergraduate Research Center" $ 2,700,000.
- 2005 NSF Grant # 0532271 "Wisconsin Undergraduate Research Center" $ 2,700,000.
- 2000 PRF Type **G** "Reactions of Acetals with Late Transition Metal Complexes", $25,000.
- 1999 CCSA Research Corporation Grant, "Reactions of Acetals with Late Transition Metals and the Preparation of Metal Ketals", $ 32,648.

Student Research Grants

- "Preparation of germanium Complexes" **Student Travel Grant ($237)** to Syngen Grede to attend the 2009 Argonne National Laboratory Undergraduate Research Symposium.
- "Photostimulated Aggregation of Silver Nanoparticles"- **Travel Grant** to Ryan Langlois, Matt Loth and Amanda Wruck to attend the 2005 NCUR.
- "Preparation of Magnesium Germanide" Ben Kucera, Robin S. Tanke Student Research Fund – UWSP, $ 451.00, December 2001.
- "Synthesis and Characterization of Phosphine Supported Germanium Nanoparticles" Ben Kucera, Robin S. Tanke Student Travel Fund – UWSP, $ 300.00, April 2002.

Awards

- May 2009, Outstanding Service Award for service to the Central Wisconsin Section

Meetings / Programs Attended

- Learning Outcomes Workshop, June 2009
- UWSP Teaching Summit: January 2009
- UWSP Teaching Summit: January 2008
- Nanotechnology Collaborative Gathering Tuesday, January 8, 2008
- Small Molecule X-ray Crystallography Summer School, UCSD, July 28-August 8, 2007
- UWSP Teaching Summit: January 2007
- 19th Annual BCCE, Purdue University July 30-August 3, 2006.

- UWSP Teaching Summit: January 2005
- Reinvention Center Conference, November 2004
- 10th National Council on Undergraduate Research (CUR) Conference at UW La Crosse June 2004
- ACS National Meeting, Anaheim, CA, March 2004
- CUR National Meeting, Salt Lake City, Utah, April 2003
- UWSP Teaching Summit January 2003
- ACS National Meeting, Boston, August 2002
- Rare Earth Research Conference, July 2002
- AVS Nano and Bioscience Research Meeting, June 2002
- ACS Great Lakes Regional Meeting, June 2002
- ACS National Meeting, San Diego, Spring 2001
- The NSF Summer Program in Solid State Chemistry Summer 2000
- UWSP Teaching Summit II: Reflecting, Reconsidering, and Refocusing January 2000
- The 1999 UWS Women and Science Spring Retreat
- The 36th National Organic Symposium in Madison, WI June 1999
- UWSP Teaching Summit January 2000
- The 1998, 2000, 2001, 2002, 2003, 2004, 2006 and 2008 UW-System Chemistry Faculty Meetings

Presentations and Seminars

- **From Chemiluminescence to Fireworks, How do Atoms, Molecules, and Materials Absorb and Emit Light?** Stem Day, Friday, November 6, 2009 with Amanda Nevins, Julie Elliot, Dana Hemm and Candace Meinen
- **Why are Architects' Drawings called Blueprints?** Women and Science Day, Friday, February 27, 2009, with Amanda Sopa, and Kendyl Goemans
- **Why are Architects' Drawings called Blueprints?** Women and Science Day, Friday, November 7, 2008, with Gina Neuville, Amanda Sopa, and Kendyl Goemans
- **Dissolve or Not! Why do some substances dissolve and others stay separated**? Hands-On activity for National Chemistry Week at Grant Elementary, Kellner, WI, 3rd Grade Classes, October 24, 2008.
- **Colloids, Cellulose and Paper Marbling** Women and Science Day, Friday, February 29, 2008, with Katie Cofrin and Margaret Novak
- **Colloids, Cellulose and Paper Marbling** Women and Science Day, Friday, November 2, 2007, with Erin Hanlin, Katie Cofrin and Margaret Novak
- **X-ray Structure Analysis of 1,2-bis(bis(4-trifluoromethylphenyl) phosphino) ethane and 2-amino-4-methylbenzothiazole**, University of California –San Diego, August 7, 2007
- **A Japanese Experience** Grant Elementary School, Kellner, WI April 9, 2007
- **Why are Metals Shiny?** Workshop for Wisconsin Rapids Girl Scouts on March 3, 2007 with UWSP students Erin Hanlin, Becky Peterson and Kirsten Levanetz.
- **Why are Metals Shiny?** Workshop for the Woman and Science program on February 23, 2007 with UWSP students Erin Hanlin, Ali Keefer, Lindsay Plank, and Kirsten Levanetz.
- **Student Designed Research Projects** 19th Biennial Conference on Chemical Education, August 1, 2006
- **Research Intensive General Chemistry** NSF Site Visit Presentation for WURC May 2006.
- **Forming Multicampus Partnerships** The Reinvention Center Conference on "Integrating Research into Undergraduate Education: The Value Added, November 18, 2004
- **Sophomore course and ancillaries in nanoscience** ACS National Meeting, Anaheim, CA March 2004
- **Chemical Synthesis and Functionalization of Germanium Nanoclusters** Rose-Hulman Institute of Technology, January 6, 2004.
- **Teaching Expectations at UWSP** Balanced Life at PUI Workshop, University of Minnesota-Twin Cities, September 6, 2003
- **Synthesis of Germanium Nanoclusters with Irreversibly Attached Functional Group**s Department of Chemistry, Marquette University, January 31, 2003

- **Contributions of British Scientists** Department of Chemistry, University of Wisconsin- Stevens Point, September 20, 2002
- **Synthesis of Germanium Nanoclusters with Covalently Attached Functional Groups** ACS National Meeting, Boston August 2002.
- **Synthesis of Germanium Nanoclusters with Covalently Attached Functional Groups:** Acetals, Alcohols, Esters and Polymers AVS Nano and Bio-nanoscience Research Meeting, June 27, 2002
- **Synthesis of Germanium Nanoclusters with Covalently Attached Functional Groups** University of Notre Dame, May 2, 2002.
- **Functionalized Germanium Nanoclusters and the Preparation of a Hybrid Nanostructure** The Royal Institution of Great Britain, February 2002
- **Functionalized Germanium Nanoclusters and the Preparation of a Hybrid Nanostructure** UW System Chemistry Faculties Meeting, October 2001
- **Preparation of Functionalized Quantum Dots**, ACS National Meeting San Diego, April 2001
- **NSF Summer 2000 Program in Solid State Chemistry for Undergraduates and College Faculty** UW System Chem Faculties Meeting, October 2000
- **A Molecular Chemist's Perspective on Semiconductor Nanoparticles** Department of Chemistry, University of Minnesota- Duluth, September 29, 2000
- **A Molecular Chemist's Perspective on Semiconductor Nanoparticles** Department of Chemistry, University of Wisconsin- Stevens Point, September 22, 2000
- **A Molecular Chemist's Perspective on Semiconductor Nanoparticles** NSF Summer Program in Solid State Chemistry, University, August 12, 2000.

Research Student Presentations

- **Germanium Complexes** Syngen Grede, Argonne National Laboratory, November 13, 2009
- **Germanium (IV) Coordination Chemistry: In Search of Ligands for Quantum Dot Synthesis** Andrew Zimmerman and Brendan Gifford, UWSP Undergraduate Research Symposium, April 2007
- **Summer 2006 Research… Part Two** Brendan Gifford UWSP-St. Norbert College Summer Seminar Program July 2006.
- **Poly (1-pyrazolyl) borate reaction with Germanium** Sam Kutzler UWSP-St. Norbert College Summer Seminar Program July 2006.
- **Germanium Nanoclusters** Chad Weisbrod UWSP Undergraduate Research Symposium April 2006
- **Synthesis and Characterization of Core/Shell Nanoparticle of CdSe/Au** Ryan Smaglick UWSP-St. Norbert College Summer Seminar Program July 2005.
- **Reaction of disodium bis(o-phenoxy)phenylphosphine oxide with $GeCl_4$** Andrew Zimmerman UWSP-St. Norbert College Summer Seminar Program July 2005.
- **Photostimulated Aggregation of Silver Nanoparticles** Ryan Langlois, Matt Loth and Amanda Wruck; Faculty mentors: James Brummer and Robin Tanke, Robert Schmitz, Greg Taft and Alex Popov, **UW-System Undergraduate Research Symposium**, April 29, 2005, UW-Oshkosh.
- **Photostimulated Aggregation of Silver Nanoparticles** Ryan Langlois, Matt Loth and Amanda Wruck; Faculty mentors: James Brummer, Robin Tanke, Robert Schmitz, Greg Taft and Alex Popov, NCUR 2005, Virginia Military Institute and Washington & Lee University, Lexington, VA, April 22, 2005
- **Photostimulated Aggregation of Silver Nanoparticles** Ryan Langlois, Matt Loth and Amanda Wruck; Faculty mentors: Robin Tanke and James Brummer-Chemistry, Robert Schmitz-Biology, Greg Taft and Alex Popov-Physics, 4th ANNUAL CELEBRATION OF UNDERGRADUATE RESEARCH & CREATIVITY, October 29, 2004.
- **Photostimulated Aggregation of Silver Nanoparticles** Ryan Langlois, Matt Loth, Jim Brummer, Alexander Popov, Robert Schmitz, Greg Taft, Robin Tanke L&S Symposium UW-SP April 2004.

- **The Synthesis of CdS Nanoparticles with an Au Shell,** Nicolas Travia, University of Minnesota group meeting, L&S Symposium UW-SP April 2004.
- **Preparation of cadmium sulfide-gold core-shell nanoparticles.** Nicolas E. Travia, Robin S. Tanke, T. Andrew Taton, ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY 227: U466-U466 429-CHED Part 1, MAR 28 2004
- **The Synthesis of CdS Nanoparticles with an Au Shell,** Nicolas Travia, University of Minnesota group meeting, Taton group meeting, August 2003.
- **The Synthesis and Characterization of Cadmium Sulfide Nanoparticles Coupled to Gold** Nicholas Travia, L&S Symposium UW-SP April 2003.
- **Synthesis of Phosphine Supported Germanium Nanoparticles** 2ND ANNUAL CELEBRATION OF UNDERGRADUATE RESEARCH & CREATIVITY, October 25, 2002, Benjamin E. Kucera (Mr. Kucera also spoke at the NCUR meeting in Utah March 2003 and the UW System Meeting at UW-Eau Claire)
- **Synthesis of Phosphine Supported Germanium Nanoparticles** Benjamin E. Kucera, ACS GLRM, Minneapolis, MN June 2002.
- **Synthesis of Phosphine Supported Germanium Nanoparticles** Benjamin E. Kucera, L&S Symposium UW-SP April 2002.
- **Analysis of Germanium Nanoparticles** Amber Wise with Dr. Eugene Johnson ,Department of Chemistry and the L&S Symposium UW-SP April 2002.
- **Light Emitting Diodes** Heather Geiser**,** Department of Chemistry and the L&S Symposium UW-SP April 2001.
- **The Study of an Ir(I) Complex Reacting with 1,3-Dioxolane** Jason J. Jadin Department of Chemistry, UW-SP April 28, 2000 .
- **A New Carbon-Carbon Bond Forming Reaction using an Iridium complex and an Acetal,** Sarah Bolterman**,** Department of Chemistry, UW-SP April 28, 2000.

Collaborator Presentations

- **Synthesis of Silver Nanoaggregates Controlled by Light** J. Brummer, S. V. Karpov, R. Langlois, M. Loth, A. K. Popov, R. Schmitz, V. V. Slabko, G. Taft, R. Tanke and A. Wruck International Conference on Lasers, Applications, and Technologies held concurrently with the International Conference on Coherent and Nonlinear Optics (St. Petersburg, Russia) May 2005.

- **Controlling Synthesis of Nanostructured Silver Aggregates by Light** Alexander K. Popov, J. Brummer, R. Langlois, M. Loth, R. Schmitz, G. Taft, R. Tanke, A. Wruck; Depts. of Chemistry, Physics & Astronomy, and Biology, Univ. of Wisconsin at Stevens Point, USA. Optical Society of America **NPIS** NFA. Frontiers in Quantum Nanophotonics April 15, 2005

Memberships

Chair – Chemistry Department Recruitment and Retention Committee – 2009
GDR subcommittee member 2009 - present
Co-Chair Provost/ Vice Chancellor Search Committee 2007
UPDC Committee 2006- 2008
CET Committee Chair 2006, several CET committees over the past few years
Chair- Department Alumni Relations Committee 2006- present
Physical Chemistry Faculty Search Committee 2005
Associate Vice Chancellor Search Committee 2006
Honorary Member of Phi Eta Sigma 2006
Analytical and Inorganic Faculty Search Committee 2005
FACETS participant Spring 2005
Balanced Life Seminar presenter and member of the Organizing Committee 2004
UWSP Ad-Hoc Differential Tuition Committee
GOATS, International Students House, London 2002- present
Department Library Committee 1999-2002
Department Executive and Merit Recommendation Committees 1999-present

Department Secretary Fall 1999
Peace and Justice Committee St. Stanislaus Church 1999 - 2005
Volunteer Work at the Catholic Worker House in Stevens Point 1999 – 2000
Big Brothers/Big Sisters Program October 2004 - 2006
Department Awards and Research committees 1998-1999
Department Computer Committee 2002-2003
Department Assessment and Colloquium Committee 2004-2005
Director Southwest Catalysis Society 1996-1998
Toastmasters member and officer 1992-1998
American Chemical Society member 1986-present.
Chair 2003, Current chair elect
National Chemistry Week Coordinator 2001-2003, 2008- present
Program Chair for Southwest Texas Section 1993-1995
Phi Beta Kappa member 1986-present.
FIG Faculty member for Hyer Hall 2004-2005

Additional Service Activities

Reviewer for the NSF (RUI) program 2009
Reviewer for the Department of Energy (DOE) Basic Research Grants (BES),
Journal of the American Chemical Society, *Chemistry of Materials*, and the Petroleum Research Fund (PRF)