

CURRICULUM VITAE

Nenad Stojilovic, Ph.D.

Professor and Vice Chair

Department of Physics and Astronomy

University of Wisconsin Oshkosh

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EDUCATION

Ph.D. (2005) Chemical Physics

The University of Akron, Akron, Ohio

M.S. (2002) Physics

The University of Akron, Akron, Ohio

B.S. (2000) Theoretical Physics

The University of Belgrade, Belgrade, Serbia

Ph.D. Thesis (2005)

"Interaction of gases with Zr(0001) and Zircaloy-4 surfaces under ultra-high vacuum conditions"

Research advisor: Professor Rex D. Ramsier

M.S. Thesis (2002)

"Ammonia adsorption on Zr(0001): the influence of electron bombardment on hydrogen production"

Research advisor: Professor Rex D. Ramsier

Diploma Work (in Serbian language) (2000)

"Bohmian theory of hidden parameters and quantum potential"

Research advisor: Professor and member of Serbian Academy of Sciences, Fedor Herbut

POSITIONS

Professor (2020 – present) University of Wisconsin Oshkosh (Department of Physics and Astronomy)

Associate Professor (2015 – present) University of Wisconsin Oshkosh (Department of Physics and Astronomy)

Visiting Scientist (Summer 2019) Center for Solid State Physics and New Materials, Institute of Physics Belgrade, University of Belgrade, Serbia

Visiting Scientist (Summer 2018) Center for Solid State Physics and New Materials, Institute of Physics Belgrade, University of Belgrade, Serbia

Visiting Scientist (2016 – 2017) Center for Solid State Physics and New Materials, Institute of Physics Belgrade, University of Belgrade, Serbia

Assistant Professor (2009-2015) University of Wisconsin Oshkosh (Department of Physics and Astronomy)

Visiting Assistant Professor of Physics and Engineering Physics (2007-2009) John Carroll University (JCU) (Department of Physics)

Postdoctoral Research Scientist (2005-2007)

Columbia University (Department of Applied Physics and Applied Mathematics)

Research Assistant (2004-2005) The University of Akron (Departments of Physics and Chemistry)

Teaching Assistant (2000-2004) The University of Akron (Department of Physics)

AWARDS, GRANTS, HONORS & RECOGNITIONS

- ❖ **Faculty Development Research Grant FDR1409**
(Preparation of Ceria-based Nonofibers, 15 % CAS)
University of Wisconsin Oshkosh (2023)
- ❖ **The Honors College Advisor Fund**
University of Wisconsin Oshkosh (2022)
- ❖ **Faculty Development Teaching Grant FDT651**
(Teaching Research Practices, 15 % CAS)
University of Wisconsin Oshkosh (2022)
- ❖ **Faculty Development Teaching Grant FDT638**
(Using Testing to Enhance Learning, 7.5 % CAS)
University of Wisconsin Oshkosh (2021)
- ❖ **The University's 2020 Edward Penson Distinguished Teaching Award**
University of Wisconsin Oshkosh (2020)
- ❖ **CETL Advising Best Practices**
University of Wisconsin Oshkosh (Spring 2020)
- ❖ **Faculty Development Teaching Grant FDT620**
(Frequent Testing Approach to Teaching, 15 % CAS)
University of Wisconsin Oshkosh (2020)
- ❖ **Individually Planned Program Project FDD51**
(Evidence-Based Teaching, 12 % CAS)
University of Wisconsin Oshkosh (2019)
- ❖ **The Scholarship of Teaching and Learning (SOTL) Mentor Program**

- University of Wisconsin Oshkosh (2018 – 2019)
- ❖ **Faculty Development Teaching Grant FDT592**
(Inquiry-Based XRD Activities, 15 % CAS)
University of Wisconsin Oshkosh (2018)
- ❖ **Inclusive Excellence Pedagogy Interim Intensive**
The Center for Excellence in Teaching & Learning (UW Oshkosh, May 2018)
- ❖ **Sabbatical FDS498**
University of Wisconsin Oshkosh (2016-2017)
- ❖ **ACS Publications Certificates of Recognition**
for Reviewing Activities in 2016
- ❖ **Individually Planned Program Project FDD48**
University of Wisconsin Oshkosh (2016)
- ❖ **National Institute for Occupational Safety and Health**
(Alice Hamilton Award) 2016
- ❖ **Faculty Development Grant FDR859**
University of Wisconsin Oshkosh (15 % CAS, 2014)
- ❖ **Faculty Development Small Grant FDM262**
University of Wisconsin Oshkosh (2013)
- ❖ **Faculty Development Grant FDR772**
University of Wisconsin Oshkosh (15 % CAS, 2013)
- ❖ **Adjunct Professor of Chemistry**
UW Oshkosh (spring 2013)
- ❖ **Faculty Development Small Grant FDM229**
University of Wisconsin Oshkosh (2012)
- ❖ **NHMFL P01298-E002-DC**
National High Magnetic Field Laboratory Magnet Time with Dr. S.V. Dordevic
(2012)
- ❖ **Faculty Development Grant FDR707**
University of Wisconsin Oshkosh (15 % CAS, 2012)
- ❖ **Faculty Development Grant FDR643**
University of Wisconsin Oshkosh (15 % CAS, 2011)
- ❖ **Householder Physics Award**
Department of Physics, The University of Akron (2006)
- ❖ **The University of Akron Outstanding Student Research Award**
(Akron, 2005)
- ❖ **AVS Graduate Student Research Award**
AVS Science & Technology Society (Boston, 2005)
- ❖ **Outstanding Ph.D. Student – Research**
Department of Physics, The University of Akron (2005)
- ❖ **Best Poster Presentation**
Conference on Undergraduate and Graduate Student Research,
The University of Akron (2004)
- ❖ **The AVS (American Vacuum Society) Dorothy M. and Earl S. Hoffman Grant** (2004)
- ❖ **Outstanding Ph.D. Student – Research**
Department of Physics, The University of Akron (2004)

❖ **Terrific Teachers for Today and Tomorrow**

Carnegie Teaching Academy and University College, The University of Akron
(2001)

UNDERGRADUATE STUDENTS SUPERVISED

Marie J. Pinti (Summer 2008)
Stephen N. Tacastacas (Summer 2008 and 2009)
Adam B. Gipril (Spring 2010)
Alexander J. Turinske (Spring 2010 and Spring 2011, Spring 2012)
Jonathan S. Tobin (Spring 2011)
Kenneth E. Henson (Spring and Fall 2011, Spring 2012)
Scott A. Nelson (Spring 2012)
Nick K. Ziebert (Spring 2012)
Mai Yang (Fall 2012)
Christopher Kempka (Spring 2014)
Christopher Kempka (Fall 2014)
Jaren Hergert (Fall 2017)
Daniel E. Isaacs (2018 – 2019)
Patrick McManus (2019 – 2020)
Matt Frisch (McNair Scholar, Summer 2020)
Luis Padilla (Honors Thesis, 2021 - 2022)
Ted Bucur (Senior Research Project, Fall 2022)
Tyler Roscoe (Independent Study, Spring 2023)

UNDERGRADUATE STUDENTS AWARDED ON MY PROJECTS

Marie J. Pinti *JCU Summer Research Project 2008*
Marie J. Pinti *JCU Summer Research Project 2009*
Kenneth E. Henson-*The Outstanding Undergraduate Research Award* (The Celebration of Scholarship, April 2011)
Alexander J. Turinske-*NASA/WSGC 2011-2012 Scholarship Award*

RESEARCH PROJECTS IN PROGRESS

- 1) Physics of electrospun nanofibers and nanomaterials
- 2) Spectroscopy and magneto-optical studies of strongly correlated electron system
- 3) Effects of Scientific Teaching Methods on Students' Learning

COLLABORATORS

- 1) Dr. Sasa Dordevic – *The University of Akron*
- 2) Dr. Cedomir Petrovic – *Brookhaven National Laboratory.*
- 3) Dr. George G. Chase – *The University of Akron*
- 4) Dr. Maja Scepanovic – *Institute of Physics, Belgrade, Serbia*
- 5) Dr. Mirjana Grujic-Brojcin – *Institute of Physics, Belgrade, Serbia*

LECTURES TAUGHT

PHYS 107 General Physics I (algebra based)
PHYS 108 General Physics II (algebra based)
PHYS 191 University Physics I (calculus based)
PHYS 192 University Physics II (calculus based)
PHYS 201 Statics for Engineering
EP 217 Mathematical Methods of Physics and Engineering
PHYS 246 Modern Physics
EP 260 DC/AC Circuits and Electronics
INTRDSCP 302 Research Methods (McNair)
PHYS 305 Circuits and Devices
PHYS 307 Physical Optics
PHYS 311 Digital Instrumentation
PHYS 317 Mathematical Physics
PHYS 319 Digital Signal Processing
PHYS 320 Classical Physics
PHYS 408 Statistical Physics and Thermodynamics
PHYS 417 Electricity and Magnetism
PHYS 419 Introduction to Quantum Mechanics
PHYS 446 Independent Study
PHYS 451 Spectroscopy-Special Topics
PHYS 451 Solid State Physics
CHEM 474 Honors Thesis

LABORATORIES TAUGHT

PHYS 103 The Solar System
PHYS 107 General Physics I
PHYS 108 General Physics II
PHYS 109 General Physics I
PHYS 110 General Physics II
PHYS 305 Circuits and Devices
PHYS 311 Digital Instrumentation
PHYS 407 Physics Laboratory Research
PHYS 408 Physics Laboratory Research
EP 260 Basic Engineering Physics
PHYS 322 Physics Lab II
PHYS 422 Physics Lab III
PHYS 491 Senior Research Project

MANUSCRIPTS IN PREPARATION

N. Stojilovic, M. Scepanovic, M. Grujic-Brojcin, N. Tomic, D. E. Isaacs, P. R. McManus, L. Shahreen, G.G. Chase “Raman and XRD Study of Palladium (II) Oxide within Titania Electrospun Nanofibers”

N. Stojilovic “What students do not know about X-ray diffraction orders” (Physics Education).

MANUSCRIPTS UNDER CONSIDERATION

PUBLISHED PEER-REVIEWED ARTICLES

[48] L. R. Padilla, Jr., **N. Stojilovic**, M. Grujić-Brojčin, M. Šćepanović, N. Tomić, G. R. Potratz, G. Gopalakrishnan “Composite nanofibers electrospun from cerium, titanium, and zinc precursors” (*Journal of Physics and Chemistry of Solids* 179 (2022) 111410.

[47] **N. Stojilovic** D. E. Isaacs “Inquiry-Based Experiment with Powder XRD and FeS₂ Crystal: “Discovering” the (400) Peak” *Journal of Chemical Education* **96** (2019) 1449.

[46] **N. Stojilovic**, D. E. Isaacs “Reply to Comment on Resistance of a Digital Voltmeter: Teaching Creative Thinking through an Inquiry-Based Lab” *Physics Education* **54** (2019) 056503.

[45] A. Baum, A. Milosavljevic, N. Lazarevic, M.M. Radonjic, B. Nikolic, M. Mitschek, Z. Inanloo, M. Scepanovic, M. Grujic-Brojcin, **N. Stojilovic**, M. Opel, A. Wang, C. Petrovic, Z.V. Popovic, R. Hackl “Phonon anomalies in FeS” *Physical Review B* 97 (2018) 054306.

[44] **N. Stojilovic** “Using Cu $K_{\alpha 1}/K_{\alpha 2}$ splitting and powder XRD system to discuss X-ray generation” *Journal of Chemical Education* 95 (2018) 598.

[43] **N. Stojilovic**, D. E. Isaacs “Resistance of a Digital Voltmeter: Teaching Creative Thinking through an Inquiry-Based Lab” *Physics Education* 53 (2018) 053005.

[42] **N. Stojilovic**, S.V. Dordevic, S. Stojadinovic “Effects of clinical X-ray irradiation on UHMWPE films” *Nuclear Instruments and Methods in Physics Research B* 410 (2017) 139.

[41] S.V. Dordevic, G.M. Foster, M.S. Wolf, **N. Stojilovic**, H. Lei, C. Petrovic, Z. Chen, Z.Q. Li, L.C. Tung “Fano q reversal in topological insulator Bi₂Se₃” *Journal of Physics: Condensed Matter* 28 (2016) 165602.

[40] H. Shin, A.B. Stefaniak, **N. Stojilovic**, G.G. Chase “Comparative dissolution of electrospun Al₂O₃ nanofibers in artificial human lung fluids” *Environmental Science: Nano* (Royal Society of Chemistry) 2 (2015) 251.

[39] S.V. Dordevic, G.M. Foster, **N. Stojilovic**, E.A. Evans, Z.G. Chen, Z.Q. Li, M.V. Nikolic, Z.Z. Djuric, S.S. Vujatovic, P.M. Nikolic, “Magneto-optical effects in Bi_{1-x}As_x with $x = 0.01$: Comparison with topological insulator Bi_{1-x}Sb_x with $x = 0.20$ ” *Physica Status Solidi B: Basic Solid State Physics* 251 (2014) 1510.

[38] **N. Stojilovic**, S.V. Dordevic, R. Hu, C. Petrovic, “Effect of Carbon Doping on Electronic Transitions in Mn₅Ge₃” *Journal of Applied Physics* 114 (2013) 053708.

- [37] L. Shahreen, G.G. Chase, A.J. Turinske, S.A. Nelson, **N. Stojilovic** “NO decomposition by CO over Pd catalyst supported on TiO₂ nanofibers” *Chemical Engineering Journal* 225 (2013) 340.
- [36] A.J. Turinske, S.A. Nelson, **N. Stojilovic**, S.B. Ali, S.V. Dordevic, E.A. Evans “Formation of ZnO within Flexible Polymer Fibers” *Journal of Sol-Gel Science and Technology* 65 (2013) 283.
- [35] S.V. Dordevic, M.S. Wolf, **N. Stojilovic**, H. Lei, C. Petrovic “Signatures of charge inhomogeneities in the infrared spectra of topological insulators Bi₂Se₃, Bi₂Te₃ and Sb₂Te₃” *Journal of Physics: Condensed Matter* 25 (2013) 075501.
- [34] S.V. Dordevic, M.S. Wolf, **N. Stojilovic**, M.V. Nikolic, S.S. Vujatovic, P.M. Nikolic, L.C. Tung “Magneto-optical effects in semi-metallic Bi_{1-x}Sb_x with x=0.015” *Physical Review B* 86 (2012) 115119.
- [33] J.S. Tobin, A.J. Turinske, **N. Stojilovic**, A.F. Lotus, G.G. Chase “Temperature induced changes in morphology and structure of TiO₂-Al₂O₃ fibers” *Current Applied Physics* 12 (2012) 919.
- [32] **N. Stojilovic** “Why can't we see hydrogen in X-Ray Photoelectron Spectroscopy?” *Journal of Chemical Education* 89 (2012) 1331.
- [31] A. F. Lotus, S.N. Tacastacas, M.J. Pinti, L.A. Britton, **N. Stojilovic**, R.D. Ramsier, G.G. Chase “Fabrication and characterization of TiO₂-ZnO composite nanofibers” *Physica E: Low-dimensional Systems and Nanostructures* 43 (2011) 857.
- [30] **N. Stojilovic** “Note on the definitions of weight” *Physics Education* (Letter to the Editor) 46 (2011) 729.
- [29] **N. Stojilovic** “Dividing Vectors is not defined” *Physics Education* (Letter to the Editor) 46 (2011) 233.
- [28] **N. Stojilovic**, A. Koncz, L. W. Kohlman, S. V. Dordevic, Rongwei Hu, C. Petrovic “Normal state charge dynamics of Fe_{1.06}Te_{0.88}S_{0.14} superconductor probed with infrared spectroscopy” *Physical Review B* 81 (2010) 174518.
- [27] A.F. Lotus, R.K. Feaver, L.A. Britton, E.T. Bender, D.A. Perhay, **N. Stojilovic**, R.D. Ramsier, G.G. Chase “Characterization of TiO₂-Al₂O₃ composite fibers formed by electrospinning a sol-gel and polymer mixture” *Materials Science and Engineering B* 167 (2010) 55.
- [26] S. V. Dordevic, L. W. Kohlman, **N. Stojilovic**, Rongwei Hu, C. Petrovic “Signatures of Electron-Boson Coupling in half-metallic ferromagnet Mn₅Ge₃: study of electron self-energy $\Sigma(\omega)$ obtained from infrared spectroscopy” *Physical Review B* 80 (2009) 115114.
- [25] T.-L. Chen, M. B. Yilmaz, D. Potapenko, A. Kou, **N. Stojilovic**, R. M. Osgood, Jr., “Chemisorption of tert-butanol on Si(100)” *Surface Science* 602 (2008) 3432.
- [24] **N. Stojilovic**, N. Farkas, R.D. Ramsier, “AES study of CO₂ adsorption on Zircaloy-4 surfaces” *Applied Surface Science* 254 (2008) 2866.
- [23] M.W. Kovacic, I.A. Gradisar, J.C. Tokash, **N. Stojilovic**, R.D. Ramsier, “An introduction of various spectroscopic methods to identify metal wear in total knee arthroplasty” *Journal of Biomedical Materials Research* 84A (2008) 1068.
- [22] **N. Stojilovic**, R.D. Ramsier, “Interaction of SO₂ with Zircaloy-4 surfaces at various temperatures” *Journal of Vacuum Science and Technology A* 24 (2006) L7.
- [21] J.D. Ehrman, E.T. Bender, **N. Stojilovic**, T. Sullivan, R.D. Ramsier, B.W. Buczynski, M.M. Kory, R.P. Steiner “Microbial adhesion to zirconium alloys” *Colloids and Surfaces B-Biointerfaces* 50 (2006) 152.

- [20] **N. Stojilovic**, J.D. Ehrman, R.D. Ramsier, “Adsorption of sulfur dioxide on Zircaloy-4 at 300 K” *Journal of Vacuum Science and Technology A* 24 (2006) 1460.
- [19] **N. Stojilovic**, R.D. Ramsier, “Oxidation of Zircaloy-4 by H₂O followed by molecular desorption” *Applied Surface Science* 252 (2006) 5839.
- [18] **N. Stojilovic**, R.D. Ramsier, “Surface oxidation of Zircaloy-4 at 600 K” *Journal of Nuclear Materials* 350 (2006) 163.
- [17] **N. Stojilovic**, R.D. Ramsier, “Adsorption of water on sulfur dioxide pre-exposed Zircaloy-4 surfaces” *Surface and Interfaces Analysis* 38 (2006) 139.
- [16] **N. Stojilovic**, J.D. Ehrman, E.T. Bender, J.C. Tokash, R.D. Ramsier, M.W. Kovacik, R.A. Mostardi, “Analysis of prosthetic knee wear debris extracted from synovial fluid” *Applied Surface Science* 252 (2006) 3760.
- [15] **N. Stojilovic**, E.T. Bender, R.D. Ramsier, “Oxidation of Zircaloy-4 by oxygen and production of water” *Journal of Nuclear Materials* 348 (2006) 79.
- [14] **N. Stojilovic**, E.T. Bender, R.D. Ramsier, “High-temperature Auger electron spectroscopy of Zircaloy-4” *Applied Surface Science* 252 (2005) 1806.
- [13] **N. Stojilovic**, E.T. Bender, R.D. Ramsier, “Surface chemistry of zirconium” (Invited Review Article) *Progress in Surface Science* 78 (2005) 101.
- [12] E.A. Yamokoski, B.W. Buczynski, **N. Stojilovic**, J.W. Seabolt, L.M. Bloe, R. Foster, N. Zito, M.M. Kory, R.P. Steiner, R.D. Ramsier “Influence of exposure conditions on bacterial adhesion to zirconium alloys” *Journal of ASTM International (JAI)* 2(7) (2005) 1.
- [11] **N. Stojilovic**, J.C. Tokash, S.P. McGinnis, R.D. Ramsier, “Temperature programmed desorption study of C₆H₁₂/Zr(0001)” *Journal of Vacuum Science and Technology A* 23 (2005) 1013.
- [10] J.C. Tokash, **N. Stojilovic**, R.D. Ramsier, M.W. Kovacik, R.A. Mostardi, “Surface analysis of prosthetic wear debris” *Surface and Interface Analysis* 37 (2005) 379.
- [9] V. Tomer, R. Teye-Mensah, J.C. Tokash, **N. Stojilovic**, W. Kataphinan, E.A. Evans, G.G. Chase, R.D. Ramsier, D.J. Smith, D.H. Reneker, “Selective emitters for thermophotovoltaics: erbia-modified electrospun titania nanofibers” *Solar Energy Materials & Solar Cells* 85 (2005) 477.
- [8] **N. Stojilovic**, R.D. Ramsier, “Effects of electron bombardment on the thermal desorption of cyclic hydrocarbons from zirconium surfaces” *Chemical Physics Letters* 399 (2004) 53.
- [7] **N. Stojilovic**, J.C. Tokash, R.D. Ramsier, “Behavior of benzene on Zr(0001): Effect of electron bombardment on benzene desorption profiles” *Surface Science* 565 (2004) 243.
- [6] R. Teye-Mensah, V. Tomer, W. Kataphinan, J.C. Tokash, **N. Stojilovic**, G.G. Chase, E.A. Evans, R.D. Ramsier, D.J. Smith, D.H. Reneker, “Erbia-modified electrospun titania nanofibers for selective infrared emitters” *Journal of Physics: Condensed Matter* 16 (2004) 7557.
- [5] **N. Stojilovic**, R.D. Ramsier, “Organic molecules on zirconium surfaces” *Journal of Vacuum Science and Technology A* 22 (2004) 1631.
- [4] **N. Stojilovic**, R.D. Ramsier, “High-temperature desorption of benzene from zirconium surfaces” *Solid State Communications* 130 (2004) 623.
- [3] **N. Stojilovic**, J.C. Tokash, R.D. Ramsier, “Auger electron spectroscopy investigation of SO₂/Zr(0001)” *Surface Science* 553 (2004) 23.

[2] **N. Stojilovic**, D.W. Weber, R.D. Ramsier, “Interaction of methanol with Zr(0001)” *Applied Surface Science* 218 (2003) 188.

[1] **N. Stojilovic**, Y.C. Kang, R.D. Ramsier, “Ammonia adsorption on Zr(0001): effect of electron bombardment on hydrogen production” *Surface and Interface Analysis* 33 (2002) 945.

PRESENTATIONS

[83] **N. Stojilovic** “Assessing students at the end of lectures” (American Physical Society Eastern Great Lakes Section, Spring 2023, Oakland University, Rochester, Michigan, April 1, 2023).

[82] **N. Stojilovic** “Students’ difficulties explaining results of spring constant measurements” (Wisconsin Association of Physics Teachers, University of Wisconsin Stevens Point, November 5, 2022).

[81] **N. Stojilovic** “Preparing non-powdered samples for powder X-Ray diffraction experiments” (Milwaukee Analytical Chemistry Conference: Proper Preparation Prevents Poor Performance, Kenwood Interdisciplinary Research Complex, August 29-30, 2022).

[80] L. R. Padilla, G. R. Potratz, **N. Stojilovic** “Effect of calcination temperature on the properties of nanofibers electrospun from Ce-Zn-Ti-based solution” (WiSys SPARK Symposium, UW-La Crosse, Jul 31-Aug 2, 2022).

[79] **N. Stojilovic** “Using powder XRD system to probe single crystals” (American Chemical Society Great Lakes Regional Meeting, hosted by Minnesota Section (via Zoom), June 8, 2021).

[78] **N. Stojilovic** “Successfully Preparing to do Scholarly Research” (UW Oshkosh, McNair Spring Seminar Series, March 18th, 2021).

[77] **N. Stojilovic** “Scientific Teaching Using Informal Tests” (Wisconsin Association of Physics Teachers Annual Virtual Meeting (via Zoom), Wisconsin, November 7, 2020).

[76] **N. Stojilovic** “Tailoring Properties of Flexible Titania Nanofibers” (The Regional Materials & Manufacturing Network Symposium, Kenosha, WI, January 21, 2020).

[75] **N. Stojilovic** “Undergraduate students’ common misconceptions about symmetry and why they often fail to recognize it” (Wisconsin Association of Physics Teachers Annual Meeting, Wisconsin Dells, WI, November 8 - 9, 2019).

[74] D. E. Isaacs, P. R. McManus, **N. Stojilovic**, M. Scepanovic, M. Grujic-Brojcin, N. Tomic, L. Shahreen, G.G. Chase “Formation of Palladium (II) Oxide within Titanium Dioxide Electrospun Nanofibers: Combined Raman and X-Ray Diffraction Study” (The American Physical Society Ohio-Region Section and Michigan Section of the American Association of Physics Teachers Fall Meeting, Flint, MI, October 11th-12th, 2019).

[73] **N. Stojilovic** “Evidence-Based Teaching: Inquiry-Based Labs, Creativity and Curiosity” (The American Physical Society Ohio-Region Section and Michigan Section of the American Association of Physics Teachers Fall Meeting, Flint, MI, October 11th-12th, 2019).

[72] A. Baum, A. Milosavljevic, N. Lazarevic, M.M. Radonjic, B. Nikolic, M. Mitschek, Z. Inanloo, M. Scepanovic, M. Grujic-Brojcin, **N. Stojilovic**, M. Opel, A. Wang, C. Petrovic, Z.V. Popovic, R. Hackl “Lattice Dynamics and Phonon Anomalies in FeS” (The 20th Symposium on Condensed Matter Physics, Belgrade, Serbia, October 7 – 11, 2019).

- [71] P. R. McManus, D. E. Isaacs, **N. Stojilovic** “Electrospinning Route to Making ZnO Nanofibers: Challenges and Potential Applications” (Wisconsin Science and Technology Symposium, UW – Stout, WI, July 22 – 23, 2019).
- [70] D. E. Isaacs, **N. Stojilovic**, M. Scepanovic, M. Grujic-Brojcin, L. Shahreen, G.G. Chase “Effect of Pd-based Nanoparticles on the Structural Properties of Electrospun Titania Nanofibers” (The American Physical Society-OSAPS Spring Meeting, Wooster, OH, March 29th-30th, 2019).
- [69] **N. Stojilovic** “Manufacturing of nanofibers by electrospinning: potential for applications” (The Regional Materials & Manufacturing Network Symposium, Oshkosh, WI, January 16, 2019).
- [68] D. E. Isaacs, **N. Stojilovic** “Tailoring Properties of ZnO Nanofibers” (The Regional Materials & Manufacturing Network Symposium, Oshkosh, WI, January 16, 2019).
- [67] **N. Stojilovic** “Scientific Teaching: Classroom as a Research Laboratory” (Wisconsin Association of Physics Teachers Annual Meeting, Whitewater, WI, October 26 – 27, 2018).
- [66] D. E. Isaacs, **N. Stojilovic** “XRD Study of Anatase-to-Rutile Transitions in Electrospun Titania Nanofibers” (Wisconsin Science and Technology Symposium, UW – Parkside, WI, July 30 – 31, 2018).
- [65] **N. Stojilovic** “Probing Phase Transitions in Ceramic Nanofibers” (The American Physical Society-OSAPS Spring Meeting, East Lansing, MI, March 23rd-24th, 2018).
- [64] **N. Stojilovic**, M. Scepanovic, M. Grujic-Brojcin, A. Golubovic, S. Armakovic, B. Abramovic, T. Sreckovic, R. Vasilic, S.V. Dordevic, Z.V. Popovic “Synthesis and Characterization of Titania-Based Nanopowders for Photocatalytic Degradation of Pindolol” (The American Physical Society-OSAPS Fall Meeting, Oxford, OH, October 13th-14th, 2017).
- [63] **N. Stojilovic**, S.V. Dordevic, S. Stojadinovic, “Effects of low-dose high-energy photon irradiation on UHMWPE films” (The American Physical Society-OSAPS Spring Meeting, Dayton, OH, April 8th-9th, 2016).
- [62] S.V. Dordevic, G.M. Foster, M.S. Wolf, **N. Stojilovic**, H. Lei, C. Petrovic, Z. Chen, Z.Q. Li, L.C. Tung “Fano q reversal in topological insulator Bi_2Se_3 ” (March Meeting of the APS, Baltimore, MD, March 14 - March 18, 2016).
- [61] A.B. Stefaniak, H. Shin, R.B. Lawrence, **N. Stojilovic**, M.G. Duling, M.A. Virji, G.G. Chase “Biodurability of metal oxide nanomaterials in artificial lung fluids” (7th International Symposium on Nanotechnology: Occupational and Environmental Health, South Africa, October 18th -22nd, 2015).
- [60] **N. Stojilovic** “Infrared spectroscopy of novel exotic materials” (The Ohio State University, Columbus, OH, October 30, 2013)
- [59] **N. Stojilovic**, S.V. Dordevic, G.M. Foster, M.S. Wolf, H. Lei, C. Petrovic, Z. Chen, Z.Q. Li, M.V. Nikolic, S.S. Vujatovic, Z.Z. Djuric, P.M. Nikolic “Insight into Topological Insulators from Infrared Spectroscopy” (The American Physical Society-OSAPS Spring Meeting, Athens, OH, March 29th-30th, 2013).
- [58] G.M. Foster, S.V. Dordevic, **N. Stojilovic**, M.V. Nikolic, S.S. Vujatovic, Z.Z. Djuric, P.M. Nikolic, . Chen, Z.Q. Li “Topological insulating state in bismuth doped with antimony and arsenic: infrared and magneto-optical studies” (The American Physical Society-OSAPS Spring Meeting, Athens, OH, March 29th-30th, 2013).

- [57] G. Foster, S.V. Dordevic, **N. Stojilovic**, S.S. Vujatovic, M.V. Nikolic, P.M. Nikolic, Z. Chen, Z.Q. Li “Possible Topological Insulating State in Bismuth Doped with Arsenic: Magneto-Optical Study” (March Meeting of the American Physical Society, Baltimore, MD, February 18 - March 22, 2013).
- [56] L. Shahreen, G.G. Chase, **N. Stojilovic** “NO_x Removal with Pd/TiO₂ Based Catalytic Nanofibers” (American Filtration and Separations Society, Boca Raton, FL, June 2012).
- [55] M.S. Wolf, S.V. Dordevic, **N. Stojilovic**, S.S. Vujatovic, M.V. Nikolic, P.M. Nikolic, L.C. Tung “Optical and Magneto-Optical Spectra of Bi_{1-x}Sb_x with x = 0.015. (March Meeting of the APS, Boston, MA, February 27 - March 2, 2012).
- [54] S.V. Dordevic, M.S. Wolf, **N. Stojilovic**, H. Lei, C. Petrovic, L.C. Tung “Magneto-Reflectance of B₂Se₃ in 18 Tesla Fields” (March Meeting of the APS, Boston, MA, February 27 - March 2, 2012).
- [53] **N. Stojilovic**, R. Hu, C. Petrovic, S.V. Dordevic “Effect of Carbon Doping on Optical Constants of Half-Metallic Ferromagnet Mn₅Ge₃” (March Meeting of the APS, Dallas, TX, March 2011).
- [52] S.V. Dordevic, M. S. Wolf, **N. Stojilovic**, H. Lei, C. Petrovic “Infrared Studies of Topological Insulators Bi₂Te₃, Sb₂Te₃ and Bi₂Se₃” (March Meeting of the APS, Dallas, TX, March 2011).
- [51] M.S. Wolf, S.V. Dordevic, **N. Stojilovic**, H. Lei, C. Petrovic, L.C. Tung “Magneto-Optical Spectra of Topological Insulators Bi₂Te₃, Sb₂Te₃ and Bi₂Se₃ in Magnetic Fields up to 18 Tesla” (March Meeting of the APS, Dallas, TX, March 2011).
- [50] A.J. Turinske, A.B. Gipril, **N. Stojilovic**, A.F. Lotus, G.G. Chase “Effect of High-Temperature Calcinations on Properties of Alumina Nanofibers” (NCUR conference, Ithaca, NY, March 31 – April 2, 2011).
- [49] S.V. Dordevic, M. S. Wolf, **N. Stojilovic**, H. Lei, C. Petrovic and L.C. Tung “Infrared Studies of Topological Insulators Bi₂Te₃, Sb₂Te₃ and Bi₂Se₃” (Joint Fall 2010 Meeting of the APS Ohio Section and AAPT Appalachian and Southern Ohio Sections, Marietta, OH, October 2010).
- [48] **N. Stojilovic**, A. Koncz, L.W. Kohlman, S.V. Dordevic, R. Hu, C. Petrovic “Optical Spectroscopy of Fe_{1.06}Te_{0.88}S_{0.14} Superconductor” (Gordon Research Conference on Correlated Electron Systems, Mount Holyoke College, South Hadley, MA, June 2010).
- [47] A.B. Gipril, A.J. Turinske, **N. Stojilovic**, A.F. Lotus, G.G. Chase “A Study of Amorphous Alumina Nanofibers” (UW System Symposium, University of Wisconsin-River Falls, River Falls, WI, April 30th, 2010).
- [46] A.J. Turinske, A.B. Gipril, **N. Stojilovic**, A.F. Lotus, G.G. Chase “CdO Doped ZnO Nanofibers” (UW System Symposium, University of Wisconsin-River Falls, River Falls, WI, April 30th, 2010).
- [45] A.D. Koncz, **N. Stojilovic** “Infrared Studies of Novel Iron-Based Superconductors” (CUGSR, Akron, Ohio, April 8th, 2010).
- [44] S.V. Dordevic, **N. Stojilovic**, A. Koncz, R. Hu, C. Petrovic “Infrared Spectroscopy of a Novel Iron-Based Superconductor Fe_{1.06}Te_{0.88}S_{0.14}” (March Meeting of the APS, Portland, OR, March 2010).
- [43] S.V. Dordevic, **N. Stojilovic**, A. Koncz, R. Hu, C. Petrovic “Normal State Charge Dynamics of Novel Iron-Based Superconductor FeTe_{0.87}S_{0.13} Probed with Infrared

Spectroscopy” (Fall Meeting of the Ohio Sections of the APS and AAPT, Ohio Wesleyan University, Delaware, OH, October, 2009).

[42] A. Koncz, S.V. Dordevic, **N. Stojilovic**, R. Hu, C. Petrovic “Infrared Studies of Novel Iron-Based Superconductors” (Fall Meeting of the Ohio Sections of the APS and AAPT, Ohio Wesleyan University, Delaware, OH, October, 2009).

[41] M. J. Pinti, **N. Stojilovic**, M.W. Kovacik “Fluorescence and UV-vis Spectroscopy of Synovial Fluids” (Fall Meeting of the Ohio Sections of the APS and AAPT, Ohio Wesleyan University, Delaware, OH, October, 2009).

[40] **N. Stojilovic** “Electrospun Nanofibers for High-Temperature and Photocatalytic Applications” (Department of Physics and Astronomy Seminar, University of Wisconsin Oshkosh, Oshkosh, WI, September 24th, 2009).

[39] **N. Stojilovic**, J. Luetmer-Strathmann “Scaling of Dynamic Properties of Polymer Melts Using Friction Coefficients of Phantom Chains - A Monte Carlo Simulation Study” (March Meeting of the APS, Pittsburgh, PA March, 2009).

[38] S. V. Dordevic, **N. Stojilovic**, L. W. Kohlman, C. Petrovic “Self-Energy of Half-Metallic Ferromagnet Mn_5Ge_3 Calculated from Infrared Spectroscopy Data” (March Meeting of the APS, Pittsburgh, PA March 2009).

[37] M. S. Wolf, J. N. Morvan, V. Dordevic, **N. Stojilovic** “Infrared and optical spectroscopy study of UHMWPE polymers” (March Meeting of the APS, Pittsburgh, PA March 2009).

[36] R.K. Feaver, D. A. Perhay, A. F. Lotus, E.T. Bender, G.G. Chase, R.D. Ramsier, **N. Stojilovic** “Synthesis and Characterization of Alumina/Titania Nanofibers” (March Meeting of the APS, Pittsburgh, PA March 2009).

[35] **N. Stojilovic**, “Electrospun Nanofibers for Thermophotovoltaic Applications” Department of Chemistry and Physics, Chicago State University, Chicago, IL (March 2nd, 2009).

[34] **N. Stojilovic**, “Optically Functionalized Nanostructures for TPV Energy Conversion” Department of Physics and Astronomy, University of Wisconsin Oshkosh, Oshkosh, WI February 12th, 2009.

[33] M. J. Pinti, S. N. Tacastacas, **N. Stojilovic**, J. P. O’Brien, A. Pischera, M. P. Espe “Fabrication of Pure Alumina Nanofibers” (submitted for Microscopy Society of Northeastern Ohio (MSNO), Cleveland State University, Cleveland, OH, October 28th, 2008).

[32] S. N. Tacastacas, M. J. Pinti, **N. Stojilovic**, A. F. Lotus, G.G. Chase “XRD and DRIFTS study of Titania/Zinc Oxide Nanofibers” (Joint Meeting of the APS Ohio-Region Section, the AAPT Southern Ohio Section, and the ACS Dayton-Section, Air Force Institute of Technology/Wright State University Dayton, OH, October 10th, 2008).

[31] M. J. Pinti, S. N. Tacastacas, **N. Stojilovic**, J. P. O’Brien, A. Pischera, M. P. Espe “Preparation and Characterization of Electrospun Alumina Nanofibers” (Joint Meeting of the APS Ohio-Region Section, the AAPT Southern Ohio Section, and the ACS Dayton-Section, Air Force Institute of Technology/Wright State University Dayton, OH, October 10th, 2008).

[30] **N. Stojilovic** “Bond-Fluctuation Model of Athermal Polymer Melts” (John Carroll University, Department of Physics, University Heights, OH, April 24th 2008).

- [29] N Bjelac, N. Schafer, **N. Stojilovic**, S. J. Park, G. G. Chase “Microscopy of Metal Oxide Nanofibers” (Spring Meeting of the Ohio Section of the APS, Youngstown, OH, March 2008).
- [28] N. Schafer, N Bjelac, **N. Stojilovic**, S. J. Park, G. G. Chase “Characterization of Electrospun Titania Nanofibers” (Spring Meeting of the Ohio Section of the APS, Youngstown, OH, March 2008).
- [27] **N. Stojilovic**, J. Luettmmer-Strathmann, “Diffusion and Friction Coefficients of Athermal Polymer Melts” (Spring Meeting of the Ohio Section of the APS, Youngstown, OH, March 2008).
- [26] **N. Stojilovic**, J. Luettmmer-Strathmann, “Connections Between Static and Dynamic Properties of Athermal Polymer Melts: a Monte Carlo Simulation Study” (March Meeting of the APS, New Orleans, LA, March 2008).
- [25] T.L. Chen, M. Yilmaz, A. Kou, **N. Stojilovic**, H.Q. Chen, R.M. Osgood, Jr., “Chemistry of Oxide Growth at Surfaces: Toward Understanding Atomic Layer Deposition of High-k Dielectrics” (AVS 54th International Symposium, Seattle, WA, October 2007).
- [24] A. Kou, T.L. Chen, **N. Stojilovic**, R.M. Osgood, Jr., “Growth and Characterization of Ultra-Thin Zirconium Dioxide Films on Silicon”(CU SU Research Symposium, Columbia University, New York City, New York, April 2007).
- [23] E.T. Bender, T. Sullivan, J.D. Ehrman, **N. Stojilovic**, B. W. Buczynski, M.M. Kory, R.P. Steiner, R.D. Ramsier, “Adhesion of Microbes to Zirconium Alloy Surfaces: Surface Spectroscopic Identification” (Society for Biomaterials, Annual Meeting and Exposition, Pittsburgh, Pennsylvania, April 2006).
- [22] M.W. Kovacik, J.D. Ehrman, E.T. Bender, **N. Stojilovic**, R.D. Ramsier, “Identifying In-Vivo Prosthetic Wear Debris Using Spectroscopic Techniques” (Society for Biomaterials, Annual Meeting and Exposition, Pittsburgh, Pennsylvania, April 2006).
- [21] **N. Stojilovic** “Interaction of Gases with Getter Surfaces: Zr(0001) and Zircaloy-4 Surface Chemistry” (The University of Akron, Department of Physics, Akron, OH, November 2005).
- [20] **N. Stojilovic**, J.D. Ehrman, R.D. Ramsier “AES and TPD Study of the Interaction of Sulfur Dioxide with Zircaloy-4” (The Conference on Undergraduate and Graduate Student Research (CUGSR), The University of Akron, Akron, OH, November 2005).
- [19] **N. Stojilovic**, R.D. Ramsier, “Adsorption of Sulfur Dioxide on Zircaloy-4” (AVS 52nd International Symposium, Boston, MA, November 2005).
- [18] E.T. Bender, M.W. Kovacik, I.A. Gradisar, J.C. Tokash, **N. Stojilovic**, R.D. Ramsier, “Monitoring Wear in Prosthetic Knee Joints Using the Methods of Surface Science” (The Department of Chemistry Advisory Board Meeting, Akron, OH, September 2005).
- [17] J.D. Ehrman, **N. Stojilovic**, E.T. Bender, R.D. Ramsier, M.W. Kovacik, R.A. Mostardi, “Biocompatibility Problems with Materials Used in Prosthetic Knees” (The Department of Chemistry Advisory Board Meeting, Akron, OH, September 2005).
- [16] **N. Stojilovic**, T. Sullivan, E.T. Bender, J.D. Ehrman, B. W. Buczynski, E.A. Yamokoski, M.M. Kory, R.P. Steiner, R.D. Ramsier, “Biocompatibility of Zirconium Alloys: A Study of Bacterial Adhesion” (The Department of Chemistry Advisory Board Meeting, Akron, OH, September 2005).

- [15] **N. Stojilovic**, “Surface Chemistry of Zirconium” (Carnegie Mellon University, Department of Chemical Engineering, Pittsburgh, PA, September 9th 2005).
- [14] **N. Stojilovic**, E.T. Bender, R.D. Ramsier, “Interaction of Water and Isotopic Oxygen with Zircaloy-4 Under UHV Conditions” (Annual Meeting of the Society of Applied Spectroscopy, Cleveland, OH, May 2005).
- [13] M.W. Kovacic, I.A. Gradisar, J.C. Tokash, **N. Stojilovic**, R.D. Ramsier, “X-ray Photoelectron Spectroscopy to Monitor Prosthetic Wear in Synovial Fluid” (51st Annual Meeting of the Orthopaedic Research Society, Washington, D.C., February 2005).
- [12] **N. Stojilovic**, E.T. Bender, R.D. Ramsier, “Sulfur Segregation and Oxidation of Zircaloy-4 Surfaces” (Joint AVS, ACS, SAS Ohio Spring Meeting, Cleveland, OH, January 2005).
- [11] **N. Stojilovic**, J.C. Tokash, R.D. Ramsier, “UHV Study of Cyclohexane on Zr(0001)” (AVS 51th International Symposium, November, Anaheim, CA, November 2004).
- [10] J.D. Ehrman, **N. Stojilovic**, E.T. Bender, R.D. Ramsier, M.W. Kovacic, R.A. Mostardi, “Prosthetic Knee Debris Analysis” (The Conference on Undergraduate and Graduate Student Research (CUGSR), The University of Akron, Akron, OH, October 2004).
- [9] V. Tomer, W. Kataphinan, **N. Stojilovic**, E.A. Evans, D.H. Reneker, D.J. Smith, R.D. Ramsier, “Hybrid Metal Oxide Nanofibers for Potential use in Hydrogen-Storage and Thermophotovoltaic Energy Conversion” (The Conference on Undergraduate and Graduate Student Research (CUGSR), The University of Akron, Akron, OH, October 2004).
- [8] **N. Stojilovic**, R.D. Ramsier, “Thermal and Electronic Excitations of Cyclohexane Adsorbed on Zirconium” (The Conference on Undergraduate and Graduate Student Research (CUGSR), The University of Akron, Akron, OH, October 2004).
- [7] J.C. Tokash, **N. Stojilovic**, R.D. Ramsier, M.W. Kovacic, R.A. Mostardi, “Surface Analysis of Prosthetic Wear Particulates” (Surface Analysis ‘04, Richland, WA, June 2004).
- [6] **N. Stojilovic**, J.C. Tokash, D.W. Weber, R.D. Ramsier, “Desorption from Zirconium Surfaces: The Role of Carbon and Sulfur” (Annual Meeting of the Society of Applied Spectroscopy, Cleveland, OH, May 2004).
- [5] R. Teye-Mensah, V. Tomer, W. Kataphinan, J.C. Tokash, **N. Stojilovic**, G.G. Chase, E.A. Evans, R.D. Ramsier, D.J. Smith, D.H. Reneker, “Erbia-Containing Electrospun Titania Nanofibers as Selective Emitters for low Temperature Thermophotovoltaic Energy Conversion” (March Meeting of the APS, Montreal, Canada, March 2004).
- [4] **N. Stojilovic**, R.D. Ramsier, “Adsorption of Benzene on Zr(0001)” (AVS 50th International Symposium, November, Baltimore, MD, November 2003).
- [3] **N. Stojilovic**, Y.C. Kang, R.D. Ramsier, “Ammonia Adsorption on Zr(0001): Influence of Electron Bombardment” (ICMSC conference on Applied Surface Modeling: Experiment, Theory and Simulations, Cleveland, OH, August 2002).
- [2] **N. Stojilovic**, Y.C. Kang, R.D. Ramsier, “Production of Water as a Result of Ammonia Adsorption on Zr(0001) and the Influence of Electron Bombardment” (Spring Meeting of the Ohio Section of the APS, Youngstown, OH, April 2002).

[1] **N. Stojilovic**, S. Ankrah, Y.C. Kang, R.D. Ramsier, "Dissociation of Ammonia on Zr(0001) Induced by Thermal and Electronic Excitations" (March Meeting of the APS, Indianapolis, IN, March 2002).

EXPERIMENTAL SKILLS

- Atomic Force Microscopy (AFM)
- Atomic Layer Deposition (ALD)
- Auger Electron Spectroscopy (AES)
- Brunauer, Emmett and Teller (BET) analysis
- Differential Scanning Calorimetry (DSC)
- Ellipsometry
- Fourier Transform Infrared (Near-IR, Mid-IR and Far-IR) Spectroscopy
- Low Energy Electron Diffraction (LEED)
- Magneto-Optical Spectroscopy
- Optical Microscopy
- Raman Spectroscopy
- Temperature Programmed Desorption (TPD)
- Thermogravimetric Analysis (TGA)
- Transmission Electron Microscope (TEM)
- X-ray Energy Dispersive Spectroscopy (XEDS)
- X-ray Photoelectron Spectroscopy (XPS)
- X-ray Diffraction (XRD)
- Scanning Tunneling Microscopy (STM)
- Scanning Electron Microscopy (SEM)
- UV-visible Spectroscopy

COMPUTING SKILLS

- C
- MATLAB
- MATHEMATICA

MANUSCRIPT REFEREE FOR THE FOLLOWING JOURNALS

- ACS APPLIED MATERIALS AND INTERFACES
- SURFACE AND INTERFACE ANALYSIS
- THE JOURNAL OF VACUUM SCIENCE AND TECHNOLOGY B
- JOURNAL OF APPLIED PHYSICS
- JOURNAL OF MATERIALS PROCESSING TECHNOLOGY
- JOURNAL OF ALLOYS AND COMPOUNDS
- MATERIALS AND DESIGN
- MATERIALS SCIENCE AND ENGINEERING B

- JOURNAL OF POLYMER SCIENCE: PART B
- APPLIED PHYSICS A
- PHYSICA E:LOW-DIMENSIONAL SYSTEMS AND NANOSTRUCTURES
- JOURNAL OF CHEMICAL EDUCATION
- JOURNAL OF NANOMATERIALS
- CHEMISTRY EDUCATION RESEARCH AND PRACTICES
- CURRENT APPLIED PHYSICS
- SEPERATION AND PURIFICATION TECHNOLOGY
- THE PHYSICS TEACHER
- PHYSICAL REVIEW PHYSICS EDUCATION RESEARCH
- VACUUM

DEPARTMENT SERVICE

- Vice Chair (2017 – present)
- Curriculum Committee (2010 – present) (Chair from 2010 till 2016)
- Budget Committee (2010 - present)
- Student Recruitment Committee (2011 – present)
- Physics Major Advisor (2011 – present)
- Preview Days (2009 – present)
- Society of Physics Students (SPS) Faculty Advisor (May 2012 – 2016)
- Grievance Committee (2012 – present)
- TARPS Committee (member 2015 – present, Chair since 2017)
- Physics & Astronomy Tenure Track Search Committee (Spring 2014)
- Electrical Engineering Tenure Track Search Committee (Spring 2014)
- Mechanical Engineering Tenure Track Search Committee (Spring 2014)
- High School/Undergraduate Research Experiences (2017 – present)

COLLEGE AND UNIVESRITY SERVICE

- Personnel Policies (2009 – 2012)
- Reviewer for Student/Faculty collaborative research proposals (2012 – present)
- Research Panelist for Faculty Development Grants (2012 – present)
- Radiation Safety Committee (2012-present)
- The Academic Computing Users Group (ACUG) (2013 – 2015)
- The Chancellor's Award for Excellence Selection Committee (2013)
- Faculty Senate (Fall 2013 – 2016)
- Faculty Senate (Fall 2019 – present)
- UWO Safety Team (Fall 2013 – 2015)
- CAPP Physics Liaison (mentoring the adjunct high school instructors) (2015 – present)
- Celebration of Scholarship Judge (2015, 2016, 2018, 2019)
- Institutional Review Board (2017 – present)

- Search and Screen Committee for Associate Vice Chancellor for Faculty and Academic Staff Affairs (2017)
- Search and Screen Committee for Provost and Vice Chancellor of Academic Affairs (2018)
- Scholarship Review Committee (the Roy Knispel Scholarship, December 2018)
- Ad-Hoc Committee on Evaluating Teaching (Spring 2021)
- Search and Screen Committee for the Associate Vice Chancellor for Graduate Studies, Innovation and Research (Spring 2022)
- New UW Oshkosh Science Center group (Charged by Chancellor, Spring 2023)

SCIENCE OUTREACH AND OUT-OF-CAPUS SERVICE

- Middle School Science Olympiad Regional competition (Oshkosh, February 2012)
- College Day for Kids (workshop with gifted 5th grade students) May 14, 2012
- Elementary School Workshop-Making Electromagnets [Webster Stanley Elementary School (4th graders), December 2012]
- College Day for Kids (workshop with gifted 5th grade students) May 19, 2014
- College Day for Kids (workshop with gifted 5th grade students) May 18, 2015
- College Day for Kids (workshop with gifted 5th grade students) May 15, 2018
- Tiny Earth in Titledown judge for students' research presentations (Lambeau Fields, Green Bay) December 7, 2018
- Tiny Earth in Titledown judge for students' research presentations (Lambeau Fields, Green Bay) December 6, 2019
- Radiation Safety Audit at Lawrence University, January 17, 2019
- Review of a Book (in Condensed Matter Physics) for ELSEVIER, February 2019.
- The Phox Valley Physics and Physical Science Share Group (2017 – present)
- WiSys Quick Pitch Mentor @ NCUR, April 6, 2023

MEMBERSHIPS

- American Physical Society (APS)
- Wisconsin Association of Physics Teachers (WAPT)
- Wisconsin Society of Science Teachers (WSST)