

Jane E. Oppenlander, Ph.D.

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Employment

Associate Professor (May 2022 – present) and **Chair** (November 2019-present) of **Bioethics** (Assistant Professor, January 2008-present), Bioethics Department, Lewis School of Health Sciences, Clarkson University – Capital Region Campus, Schenectady, NY. Teaching graduate courses in statistics, epidemiology and research methods. Responsible for departmental operations including faculty hiring, course scheduling, student advising, budgeting and finance.

Assistant Professor, (Adjunct 1988-2016), Reh School of Business, Clarkson University – Capital Region Campus, Schenectady, NY (formerly Union Graduate College). Teaching graduate courses in statistics, management information systems, and epidemiology. January 2017 - present.

Scientist, Bechtel Marine Propulsion Corporation - Knolls Atomic Power Laboratory, Schenectady, NY, September 1981-March 2017.

- **Leadership Activities**

- Technical lead for a five person multidisciplinary team developing quantitative analysis tools and models for optimizing and allocating resources for a complex nuclear operator training process.
- Lead a team of eight IT professionals developing and applying business case analysis and portfolio rationalization methods to enterprise-wide software assets. Identified software applications for consolidation with resulting cost savings.
- Lead a team of eight IT professional selecting metadata standards for enterprise-wide information management.
- Lead a multidisciplinary team of four scientists and engineers developing simulation software and conducting parametric studies to support thermophotovoltaic energy conversion system design. Produced industry leading 80 watt demonstration system.
- Instructor for introductory statistics and design of experiments courses. Developed and delivered business case analysis for IT management course and statistics training for green and black belt statistics training.
- Enterprise-wide consulting in statistics, study design, simulation, operations research, and patenting.

- **Technical Activities**

- Expert system for eddy current data interpretation including reasoning with uncertainty and machine vision capabilities. System resulted in reduced time to complete system inspections, consistent high-quality evaluation of signals. Three US and three international patents awarded.
- Development of large-scale optimization model to determine capacity of a training program in partnership with the Operations Research Department of the Naval Postgraduate School. Rule-based expert system to schedule complex sequences of student training.
- Simulations studies to evaluate local area network design, manufacturing facility layouts, manpower planning, and warehouse logistics. Reliability studies for design of manufacturing facility. Software development for signal processing applications.

Employment – cont.

Visiting Associate Professor, MBA Program, State University of New York - Empire State College, Saratoga Springs, NY. Development and teaching of web-based managerial decision making, operations management, and management information systems courses for distance learning MBA program. September 1999 – August 2005.

Graduate Teaching Fellow, Department of Mathematics, University of Vermont, Burlington, VT. Taught two calculus courses per semester. September 1980 - June 1981.

Software Engineer, Simmonds Precision Products, Inc., Vergennes, VT. Computer programming for aerospace applications. June 1979 - September 1980.

Education

Doctor of Philosophy, Administrative and Engineering Systems, 1986, Graduate Management Institute, Union College, Schenectady, NY. Dissertation - *Statistical Modeling and Simple Robust Estimators for Lower Percentiles in the Context of Life Data Analysis*.

Master of Science in Statistics, 1981, **Bachelor of Science** in Education, 1979, **Bachelor of Arts** in Mathematics, 1979, University of Vermont, Burlington, VT.

Certified Six Sigma Master Black Belt, Naval Nuclear Laboratory, January 2017. **Certified Six Sigma Black Belt**, Knolls Atomic Power Laboratory, Bechtel Marine Propulsion Corporation, June 2013. **Certified Six Sigma Green Belt**, Knolls Atomic Power Laboratory, Lockheed Martin Corporation, May 2008.

Consulting

Ellis Hospital School of Nursing and Capital District Nursing Research Alliance – Quantitative and qualitative data analysis and study design for nursing research projects. June 2012 – Present.

Schenectady City School District – Developed a method to adjust test scores. May - July, 2013.

Total Quality Associates, Latham, NY. Survey design and data analysis for New York state health care initiatives. May – November 2010.

Albany (NY) Medical Center, Department of Critical Care, and **Ellis Hospital (Schenectady, NY)**, Departments of Critical Care and Surgery. Data analysis and study design for clinical research projects. 1986-1994, 2010 – 2012.

Graduate Management Admissions Council, Tyson Corners, VA. Development of items for statistics assessment test for MBA programs. March – May 2007.

Trans/Op, Inc., Williston, VT. Statistical analysis, operations research, and software development for traffic engineering and urban planning applications. September 1979 - 2005.

Books

Shifflet, M.A., C. Martinez, J. Oppenlander, S. Shmerling, *Improving Healthcare Quality: Case Studies Using JMP*, Wiley, June 2020.

Oppenlander, J.E. and P.A. Schaffer, *Data Management and Analysis Using JMP: Health Care Case Studies*, SAS Press, October 2017.

Schmee, J. and J.E. Oppenlander, *JMP Means Business: Statistical Models for Management*, SAS Press, 2010.

Peer-Reviewed Publications

Snyder, C., J. Oppenlander, N. Foley, and L. Goldberg, "The Placement Dilemma: Leveraging Technology to Improve the Student Teacher Placement Process through Participatory Action Research," *Contemporary Issues in Technology and Teacher Education*, 23(1), <https://citejournal.org/volume-23/issue-1-23/current-practice/the-placement-dilemma-leveraging-technology-to-improve-the-student-teacher-placement-process-through-participatory-action-research>.

Birkhead, S., P. Edwards, B. Nettleton, J. Oppenlander, and M. Stapleton, "Roles and Skills for Effective Nurse Leaders," *Journal of the American Nursing Association of New York*. Accepted for publication.

Cummins, P.J., Oppenlander, D. Suresh, and E. Tobin-Ballato, "Moving intensive onsite courses online: responding to COVID-19 educational disruption," *International Journal of Ethics Education*, 20227, 217–233. <https://doi-org.ezproxy.clarkson.edu/10.1007/s40889-022-00146-6>

Gajjar, A., J. Oppenlander, M. Schaffer, and E.K. TeKolste, "Challenges and Successes Managing Eurasian Watermilfoil in Lake Luzerne: A 25-Year Citizen-Government Partnership," *Adirondack Journal of Environmental Studies*, Vol. 24 No. 1, 2021.

Belasen A.T., A.J. Hertelendy, A.R. Belasen, and J.E. Oppenlander, "Provider-Patient Communication and Hospital Ratings: Perceived Gaps and Forward Thinking about the Effects of COVID-19," *International Journal for Quality in Health Care*. November 17, 2020.

Spinner, E., M. Stapleton, J. Oppenlander, E. Murray, R. Shaikh, and E. Rampkirpaul, "Utility of the READMIT Index to Identify 30-Day Psychiatric Readmissions," *Issues in Mental Health Nursing*, 2020 Oct 7;1-10. doi: 10.1080/01612840.2020.1814910.

Snyder, C., J. DeJoy, and J. Oppenlander, "Mapping the Transformative Journey of Graduate Students," *Higher Education Teaching and Learning Review*, Vol. 7, December, 2017.

Miller, M. R., R.J. Alexander, V.A. Arbige, R.F. Dell, S.R. Kremer, B.P. McClune, J.E. Oppenlander, J. P. Tomlin, "Optimal Allocation of Students to Naval Nuclear-Power Training Units," *Interfaces*, July-August, 2017.

Snyder, C., D. Besozzi, L. Paska, and J. Oppenlander, "Is Flipping Worth the Fuss: A Mixed Methods Case Study of Screencasting in the Social Sciences Classroom," *American Secondary Education*, Vol. 45 No. 1, Fall 2016.

Bliss, S.E., J.E. Oppenlander, J.M. Dahlke, G.J. Meyer, E.M. Williford, R.C. Macauley, "Measuring Quality in Ethics Consultation," *Journal of Clinical Ethics*, Summer 2016.

Hahn, G.J., N. Doganaksoy, R. Lewis, J.E. Oppenlander, and J. Schmee, "Numbers in Everyday Life: A Short Course for Adults," *AmStat News*, American Statistical Association, February 2009.

Oppenlander, J.C. and J.E. Oppenlander, "Simulation of Left-turn Storage Lengths without Separate Signal Phase" *ITE Journal*, Institute of Transportation Engineers, May 2002.

Oppenlander, J.C. and J.E. Oppenlander, "Storage Requirements for Signalized Intersection Approaches - Uniform Arrivals," *ITE Journal on the Web*, www.ite.org, Institute of Transportation Engineers, November 1999. Also presented at Jornadas de Transporte y Vialidad, Merida, Venezuela, June 2000.

Oppenlander, J.C. and J.E. Oppenlander, "Storage Requirements for Signalized Intersection Approaches," *ITE Journal*, Institute of Transportation Engineers, February, 1996. Also presented at Jornadas de Transporte y Vialidad, Merida, Venezuela, June 2000.

Feustel, P.J., R.J. Perkins, J.E. Oppenlander, H.H. Stratton, and I.L. Cohen, "Feasibility of Continuous Oxygen Delivery and Cardiac Output Measurement by Application of the Fick Principle," *American Journal of Respiratory and Critical Care Medicine*, Vol. 149, 1994.

Oppenlander, J.C. and J.E. Oppenlander, "Storage Lengths for Left-turn Lanes with Separate Phase Control," *ITE Journal*, Institute of Transportation Engineers, January 1994.

Levy, A.J., J.E. Oppenlander, D.M. Brudnoy, J.M. Englund, K.C. Loomis, and A.M. Barsky, "Dodger, a Diagnostic Expert System for the Evaluation of Nondestructive Test Data," *Proceedings of Innovative Applications of Artificial Intelligence Conference*, American Association for Artificial Intelligence, July 1993.

Levy, A.J., J.E. Oppenlander, D.M. Brudnoy, J.M. Englund, K.C. Loomis, and A.M. Barsky, "Dodger, a Diagnostic Expert System for Eddy Current Evaluation," *Materials Evaluation* (special issue on eddy current testing), January 1993.

Oppenlander, J.C. and J.E. Oppenlander, "Design Lengths for Left-turn or Right-turn Lanes with Separate Signal Phases," *ITE Journal*, Institute of Transportation Engineers, July 1989.

Oppenlander, J.E., J. Schmee, and G.J. Hahn, "Simple Robust Estimators for Normal Distribution Tail Percentiles and Their Properties," *Communications in Statistics - Theory and Methods* (special issue on quantile estimation), September 1988.

Patents

Brudnoy, D.M., J.E. Oppenlander, and A.J. Levy, “Automated Detection and Location of Indications in Eddy Current Signals,” US Patent 6,115,674, September 5, 2000.

Oppenlander, J.E., K.C. Loomis, D.M. Brudnoy, and A.J. Levy, “Automated Feature Detection and Identification in Digital Point-ordered Signals,” US Patent 5,737,445, April 7, 1998, Japanese Patent 8,292,174, November 5, 1996, French Patent 2,733,337, October 25, 1996. Canadian Patent 2,174,491, October 21, 1996.

Levy, A.J., J.E. Oppenlander, D.M. Brudnoy, J.M. Englund, and K.C. Loomis, “Expert System for Analyzing Eddy Current Measurements,” US Patent 5,339,256, August 16, 1994.

Invited Papers and Presentations

Niles, J., J. Oppenlander, M. Schaffer, E.K. TeKolste, “Preserving Our Watershed for Future Generations,” Hadley-Luzerne (NY) Historical Society, July 27, 2023.

Oppenlander, J.E., “Recent Trends in Collegiate Statistics Education,” American Statistical Association, Albany (NY) Chapter, April 29, 2015.

Oppenlander, J.E., “Engaging Business Students in the Statistics Classroom,” Consortium for the Advancement of Undergraduate Statistics Education, Webinar, July 2012.

Hahn, G.J., N. Doganaksoy, R. Lewis, J.E. Oppenlander, and J. Schmee, “Numbers in Everyday Life: A Short Course for Adults,” Joint Statistical Meetings, Vancouver, August 2010. (Best Paper Award, Statistical Education Section).

Contributed Papers, Presentations and Posters

Niles, J., J. Oppenlander, M. Schaffer, and K. TeKolste, “In It for the Long Haul: Adapting to Change in Managing Eurasian Watermilfoil,” NYS Federation of Lake Association Annual Conference, Lake George, NY, May 5-6, 2023.

Oppenlander, J., E.K. TeKolste, M. Schaffer, and J. Niles, “Partnering on Eurasian Watermilfoil Management: One Lake Association’s Wish List, What’s on Your List?” 1st Annual Meeting A Conversation on Advances in Water Science and Technology, Syracuse, NY, March 12-13, 2023

Birkhead, S., P. Edwards, B. Nettleton, J. Oppenlander, and M. Stapleton, “Dimensions and Activities of the Academic Nurse Leader Roles,” New York Organization of Nurse Executives and Leaders Annual Meeting and Leadership Conference, Tarrytown, NY, September 12, 2022 and Sigma Theta Tau, Tau Kappa at-Large monthly meeting, Excelsior University, Albany, NY, January 17, 2023.

Birkhead, S., P. Edwards, B. Nettleton, J. Oppenlander, and M. Stapleton, “Dimensions and Work Activities of Academic Nurse Leader,” New York League for Nursing conference, Saratoga Springs, NY, November 4, 2022.

Oppenlander, J. and E. Williford, “Adding Authentic Assessment to a Group Data Collection Project,” Biennial Electronic Conference on Teaching Statistics, May, 2022.

Oppenlander, J., M. Schaffer, and E.K. TeKolste, “Lake Luzerne CSLAP Restart: Challenges in Communicating the Implications of Data to our Community,” New York State Federation of Lake Associations Annual Conference, April 29-30, 2022.

Oppenlander, J. and E. Williford, “Integrating History, Bioethics, and Technology into a Redesigning Epidemiology Course,” American Association for the History of Medicine Annual Conference, Saratoga Springs, NY, April 21-24, 2022.

Rand, P., J. Oppenlander, and C. Snyder, “Managing virtual educational experiences in the midst of a paradigm shift (We all know it’s going to be different—we just don’t know how),” Critical Questions in Education Conference, Academy for Educational Studies, Charleston, SC, February 21-23, 2022.

Oppenlander, J., P. Cummins, N. Gligorov, and E. Tobin-Ballato, “Redesigning Intensive In-person Clinical Ethics Courses for Online Delivery,” American Society for Bioethics and Humanities Annual Meeting, Virtual, October 11-16, 2021.

Flaming, K. R., Oppenlander, J., Kehrberg, J., & Kovacic, B. (2021, June 7– 25). Disseminating inclusive teaching practices: Findings from the Passion-Driven Statistics project [Panel discussion]. Canadian Psychological Association Annual Conference, Virtual.

Snyder, C., Oppenlander, J., Foley, N., Goldberg, L., “Optimizing the Student Teaching Placement Process Through Technology. Roundtable,” New England Educational Research Organization. Portsmouth, NH, May, 2021. (Postponed from May 2020)

Oppenlander, J., M.A. Shifflet, S. Shmerling, and C. Martinez, “Four Women, One Book: A Distance Collaboration,” Women in Statistics and Data Science, September 2020.

Oppenlander, J. and E. Williford, “The Role of Epidemiology in Today’s Global Pandemic,” Clarkson University, Reh School of Business Webinar, April 20, 2020.

Oppenlander, J.E., “How Adapting an M&M Experiment to the Online Classroom Yielded a Useful Messy Data Set,” Fourth Biennial Electronic Conference on Teaching Statistics, May 2018.

Oppenlander, J.E. and P.A. Schaffer, “A Problem Solving Framework for Data Analytics,” Capital Region Data Management Association, January 2018.

Oppenlander, J.E., “Developing Health Care Case Studies for the Statistics Classroom,” Clarkson School of Business Faculty Seminar Series, December 1, 2017.

Shifflet, M.A., A. Cohen, .S. Madden, J. Oppenlander, S. Shmerling, E. Stephens, M. Stephens, “Same Problem, Different Audience: Identifying and Communicating Opportunities for Reducing Length of Stay in Hospitals,” JMP Discovery Summit 2017, St. Louis, MO, October 2017.

Shifflet, M.A. and J. Oppenlander, “Developing Health Care Cases with JMP: Overcoming Hurdles,” JMP Discovery Summit 2017, St. Louis, MO, October 2017.

Oliynyk, R., M. Stapleton, and J. Oppenlander, "Bee/Wasp Sting: Efficacy of Heat vs. Cold Therapy," 39th Annual Emergency Care Conference, Emergency Nurses Association – New Jersey State Council, Atlantic City, NJ, March 15-17, 2017.

Mainville, P.L., M.E. Meskill, and J.E. Oppenlander, "Level of Knowledge Evaluation at the Kesselring Prototypes," Naval Nuclear Laboratory 2017 Innovation Expo, February 23, 2017.

Oppenlander, J.E., P.A. Schaffer, and E.M. Williford, "Two Boomers and a Millennial: Lessons from an Intergenerational Collaboration," Women in Statistics and Data Science Conference, American Statistical Association, Charlotte, NC, October 20-22, 2016.

Bjorkman, S., M.L. McKee, J. Oppenlander, and P. Banner, "Using Technology to Promote Engagement in Online Statistics Courses," Third Biennial Electronic Conference on Teaching Statistics, May, 2016.

Alexander, R.J., V.A. Arbige, S.R. Kremer, P.L. Mainville, M.R. Miller, and J.E. Oppenlander, "Designing a Time Study to Validate Optimization Model Assumptions," Military Operations Research Society Symposium, June 2016 and Bechtel Marine Propulsion Corporation 2016 Innovation Expo, February 2016.

Alexander, R.J., S.R. Kremer, B.P. McClune, M.R. Miller, and J.E. Oppenlander, "Optimizing Training Schedules at Nuclear Power Training Units," Military Operations Research Society Symposium, June 2016 and Bechtel Marine Propulsion Corporation 2016 Innovation Expo, February 2016.

Bliss, S.E., J.E. Oppenlander, J.M. Dahlke, G.J. Meyer, E.M. Williford, and R.C. Macauley, "Measuring Quality in Healthcare Ethics Consultation," 11th Annual International Conference on Clinical Ethics Consultation, New York City, NY, May 20-23, 2015.

Snyder, C., D. Besozzi, L. Paska, and J. Oppenlander, "Flipping the Social Studies Classroom: A Longitudinal Mixed Methods Study." New York State Council for the Social Studies Convention. Syracuse University, Syracuse, NY, March 2015.

McClune, B.P., M.R. Miller, J.E. Oppenlander, S.R. Kremer, R.J. Alexander, J.P. Tomlin, V.A. Arbige, and R.F. Dell, "Optimal Allocation of Students to Naval Nuclear Power Training Units," Bechtel Marine Propulsion Corporation 2015 Innovation Expo, February 24, 2015.

Oppenlander, J.E., "Developing a Graduate Level Statistics Course for Nurses," Ellis Medicine Nursing Day of Inquiry, October, 2014.

Dahlke, J., J. Oppenlander, C. Snyder, J. DeJoy, and S. Philpott-Jones, "Applying Adult Learning Theories to Improve Bioethics Graduate Education," American Society for Bioethics and Humanities Annual Meeting, San Diego, CA, October 16-19, 2014.

Miller, M.R., B.P. McClune, R.F. Dell, J.E. Oppenlander, S.R. Kremer, R.J. Alexander, J.P. Tomlin, and V.A. Arbige, "Optimal Allocation of Students to Naval Nuclear Power Training Units," Military Operations Research Society Symposium, June, 2014.

Oppenlander, J.E., "Developing a Profession Specific Statistics Course for Nurses," Second Biennial Electronic Conference on Teaching Statistics, May, 2014.

Poeth, D. and J. Oppenlander, "Integrating Writing in the Statistics Curriculum," Second Biennial Electronic Conference on Teaching Statistics, May, 2014.

Snyder, C., J. DeJoy, and J. Oppenlander, "Transformative Learning Pathways of Graduate Students: How They Learn, How We Teach," New England Education Research Organization, West Dover, VT, April, 2014.

DeJoy, J., C. Snyder, and J. Oppenlander, "The Transformative Journey of Graduate Accounting Students," American Accounting Association Mid-Atlantic Region Meeting, King of Prussia, PA, April, 2014.

Snyder, C., J. DeJoy, and J. Oppenlander, "Mapping the Transformative Journey of Graduate Education," Union Graduate College Faculty Speaker Series, April 17, 2014.

Snyder, C., J. Oppenlander and J. DeJoy, "Transformative Learning Pathways of Adult Learners Pursuing Graduate Study," Consortium for Research in Instructional Design and Theory, University at Albany, State University of New York. Albany, NY, November 21, 2013.

Bliss, S.E., J.E. Oppenlander, R.C. Macauley, J.M. Dahlke, G.J. Meyer, and E.M. Williford, "Measuring Quality in Healthcare Ethics Consultation," American Society for Bioethics and Humanities Annual Meeting, Atlanta, GA, October 24-27, 2013.

DeJoy, J., J. Oppenlander, and C. Snyder, "The Transformation of Accounting Students in an MBA Program," American Accounting Association Annual Meeting and Conference on Teaching and Learning in Accounting, Anaheim, CA, August 3-4, 2013.

Hart, K., M. Stapleton, J.E. Oppenlander, L. Balá, and E. Williford, "Capacity for Evidence-based Practice at Ellis Medicine," 2013 Summer Institute on Evidence-Based Practice, San Antonio, TX, July 11, 2013.

Hart, K., M. Stapleton, and J. Oppenlander, "Evidence-based Practice: Where are We? Where Do We Want to Go?" Ellis Medicine Nursing Grand Rounds, May 8, 2013.

Oppenlander, J.E. and D. Poeth, "Experiences with Electronic Conferences and Recent Developments in Teaching Statistics," Union Graduate College Faculty Speaker Series, January 31, 2013.

Pittman, T.M., L.D. Young, J.R. Brooks, J.M. Lundgren, K. Williams, J. Oppenlander, and M. Stapleton, "Does Implementing a Pressure Ulcer Pressure Bundle Decrease Pressure Ulcer Incidence in the Adult ICU Population?" Capital District Nursing Research Alliance – 9th Annual Conference, Latham, NY, November 15, 2012.

Oppenlander, J.E., "An On-line Statistics Course in a Bioethics Curriculum," First Biennial Electronic Conference on Teaching Statistics, May, 2012.

Oppenlander, J.E., "Techniques for Engaging Business Students in the Statistics Classroom," First Biennial Electronic Conference on Teaching Statistics, May, 2012.

Paludi, M.A., J.E. Oppenlander, and E.M. Williford, "What to Look for in an MBA: Perspectives for Students, Employers, and Educators," Women, Management and Leadership: Organizational Practices and Individual Strategies for Women, Union Graduate College, Schenectady, NY, August 2010.

Campbell, B., B. Gurau, R. Lewis, J.E. Oppenlander, D. Poeth, and J. Vollmer, "Naval Reactors Prime Contractor Team Perspective on Lithium Hydride for Use in a Space Shield," Space Technology and Applications International Forum, Albuquerque, NM, February 2006.

Oppenlander, J.C. and J.E. Oppenlander, "Simulation Model for Exclusive Left-turn Phasing," *Proceedings - Road Safety on Four Continents*, Warsaw, Poland, October 2005.

Oppenlander, J.E., J.L. Vell, L.R. Danielson, M.W. Dashiell, and D.M. DePoy, "Analysis of Thermophotovoltaic Networking Losses," Space Technology and Applications International Forum, Albuquerque, NM, February 2005.

Brown, E.J., S.R. Burger, L.R. Danielson, D.M. DePoy, J.M. Dolatowski, P.M. Fourspring, J.E. Oppenlander, J.R. Parrington, K.D. Rahner, W.F. Topper, and J.L. Vell, "Test Performance Results for an 80 Watt Thermophotovoltaic Energy System," Space Technology and Applications International Forum, Albuquerque, NM, February 2005.

Oppenlander, J.E., J.L. Vell, W.S. Gaes, D.M. Siganporia, L.R. Danielson, and M.W. Dashiell, "The Use of Simulation for the Design and Analysis of Thermophotovoltaic Networks," *Proceedings of the 2nd International Energy Conversion Engineering Conference*, Providence, RI, August 2004.

Burger, S.R., E.J. Brown, K.D. Rahner, L.R. Danielson, J.E. Oppenlander, J.L. Vell, and D.M. Siganporia, "Thermophotovoltaic Array Optimization," *Proceedings of the 2nd International Energy Conversion Engineering Conference*, Providence, RI, August 2004.

Baldasaro, P.F., M.W. Dashiell, J.E. Oppenlander, J.L. Vell, P.M. Fourspring, K.D. Rahner, L.R. Danielson, S.R. Burger, and E.J. Brown, "System Performance Projections for TPV Energy Conversion," *American Institute of Physics: Proceedings of the Sixth Conference on TPV Generation of Electricity*, Freiburg, Germany, June 2004.

Vell, J.L., J.E. Oppenlander, W.S. Gaes, D.M. Siganporia, and L.R. Danielson, "Thermophotovoltaic Network Design: A Simulation Study," Space Technology and Applications International Forum, Albuquerque, NM, February 2004.

Oppenlander, J.E., A.J. Levy, V.A. Arbige, and A.H. Shoop, "Training and Operations Integrated Calendar and Scheduler, <http://www.osti.gov/scitech/servlets/purl/821368>, 2004.

Oppenlander, J.C. and J.E. Oppenlander, "A Guideline for Determining Exclusive Left-turn Phasing," *Compendium of Technical Papers*, 72nd Annual Meeting, Institute of Transportation Engineers, August 2002.

Oppenlander, J.E., G.W. Charache, W.S. Gaes, M. LoCascio, J.L. Vell, and D.M. Siganporia, "Thermophotovoltaic Network Design and Analysis," Monolithic Interconnected Module Research and Development Conference, Pittsburgh, October 2000.

Oppenlander, J.C. and J.E. Oppenlander, "Simulation of Intersection Approaches with Random and Uniform Arrival Patterns," *Proceedings - Road Safety on Three Continents*, Pretoria, South Africa, September 2000.

Oppenlander, J.C. and J.E. Oppenlander, "Simulation of Left-turn Storage Lengths without Separate Phase Control," *Compendium of Technical Papers*, 69th Annual Meeting, Institute of Transportation Engineers, August 1999. Also presented at Jornadas de Transporte y Vialidad, Merida, Venezuela, June 2000.

Oppenlander, J.E., "Design and Evaluation of a Reasoning with Uncertainty Capability in a Diagnostic Expert System," Institute of Management Sciences/Operations Research Society of America Joint National Meeting, Chicago, May 1993.

Oppenlander, J.C. and J.E. Oppenlander, "Design Lengths of Left-turn Lanes at Signalized Intersections with Separate Phases as Determined by Simulation," 7th Panamerican Congress on Traffic and Transportation Engineering, Caracas, Venezuela, September 1992.

Oppenlander, J.E., J. Schmee, and G.J. Hahn, "Some Simple Robust Estimators for Normal Distribution Percentiles," Joint Meeting of the American Statistical Association, The Biometric Society, and the Institute of Mathematical Statistics, Chicago, 1986.

Recognition

Best Paper Award, Statistical Education Section, Joint Statistical Meetings, Vancouver, August 2010. Hahn, G.J., N. Doganaksoy, R. Lewis, J.E. Oppenlander, and J. Schmee, "Numbers in Everyday Life: A Short Course for Adults," Joint Statistical Meetings, Vancouver, August 2010.

1999 Most Creative Invention Award, Knolls Atomic Power Laboratory, "A Highly Adaptive Method for Scheduling Student Training and Resources."

1993 Innovative Applications of Artificial Intelligence Award, American Association for Artificial Intelligence. "Dodger, a Diagnostic Expert System for the Evaluation of Nondestructive Test Data."

Winner of University of Vermont Bicentennial Songwriting Competition, "Universitas V. Montis," 1991. Adopted as alma mater of the University of Vermont.

Honorable Mention, Invention of the Year, Knolls Atomic Power Laboratory, "Expert System for Analyzing Eddy Current Measurements," 1990.

Arion Music Award, University of Vermont, 1979.

Academic Service

Search Committees:

- **Chair of Physical Therapy and Interim Chair of Physical Therapy**, Lewis School of Health Sciences, February 2022 – August 2022.
- **Assistant Professor of Bioethics**, Lewis School of Health Sciences, committee chair, May 2022.
- **Associate Dean of Health Sciences**, Lewis School of Health Sciences, Clarkson University, October 2021–December 2021.
- **Engineering and Management Assistant Professor**, Reh School of Business, Clarkson University, October 2020–January 2021.

University Committees:

- **Administrative Council**, September 2022 – Present.
- **Ad Hoc Committee on Representation on Tenure and Promotion Committees**, Clarkson University, September 2021–November 2021.
- **Capital Region Campus Graduation Committee**, October 2021 – Present.
- **Affirmative Action Committee**, Union Graduate College, January 2012–February 2016.

School and Department Committees:

- **Faculty Development Committee**, Lewis School of Health Sciences, December 2022 – Present.
- **Bioethics Admissions Committee, Chair**, Bioethics Department, Clarkson University, June 2020–Present.
- **Interprofessional Education Committee**, Lewis School of Health Sciences, Clarkson University, August 2021–September 2022.
- **Bioethics Program 20th Anniversary Committee**, Bioethics Department, Clarkson University, September 2020–March 2022.
- **Graduate Policy Committee**, Reh School of Business, Clarkson University, September 2018 – August 2019. Admissions subcommittee, October 2018–September 2019.
- **Governance Committee**, Reh School of Business, Clarkson University, September 2017–September 2018.
- **Ad Hoc Tenure Review Committee**, School of Management, Union Graduate College, 2010.

Community and Professional Service

Research Committee, Capital District Nursing Research Alliance, December 2022 – present.

Board of Directors, Lake Luzerne Association, July 2022 – present.

Local arrangement committee, Association for the History of Medicine Annual Conference, Saratoga Springs, NY, July 2021 – April 2022.

Saratoga County Medical Reserve Corps, June 2019 – present. Assist county public health department with data management and analysis. Administrative support for county COVID-19 and Mpox vaccination clinics.

Citizens Statewide Lake Assessment Program, NYS Department of Environmental Conservation. Summers 2020 to present. Volunteer for this lake water sampling and monitoring and education program.

Adirondack Annual Common Loon Census, Adirondack Center for Loon Conservation, Summers 2010 – present. Volunteer counter.

Rockwell Falls Public Library, Lake Luzerne, NY and **Ballston Community Library**, Burnt Hills, NY, 2018-present. Library volunteer.

Zion Lutheran Church, Schenectady, NY, 1990-Present. Served in a variety of volunteer positions including Finance Committee, Music Committee, and Congregational Input Subcommittee for Pastoral Call. Presentations to Senior Fellowship Group: “A Brief History and Demonstration of Woodwind Instruments,” February 14, 2019 and “Bioethics: A Brief Introduction,” presentation for Zion Lutheran Church, February 12, 2015. Clarinet and alto saxophone soloist. Usher.

Music-Director, Colonie (NY) Town Band (October 2006-present) and Brass Choir (1995-2016).

Board of Directors, Guilderland (NY) Town Band, May 2006-August 2019.

Research Committee, CurePSP (Foundation for Progressive Supranuclear Palsy | Corticobasal Degeneration and Related Brain Diseases), January 2006-January 2017.