

CURRICULUM VITAE

Philip V. Hofmeyer

Morrisville State College

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Educational Background

Doctor of Philosophy, University of Maine, 2008, Forest Resources.

Dissertation: Ecology and Silviculture of *Thuja occidentalis* L.

Master of Science, State University of New York College of Environmental Science and Forestry, 2004

Thesis: Sawtimber production with thinning in stratified, mixed-species Allegheny hardwoods.

Bachelor of Science, State University of New York College of Environmental Science and Forestry, 2001

Associate of Applied Science, State University of New York at Morrisville, 1999.

Professional Experience

2011 – present: Assistant Professor of Renewable Energy, Morrisville State College

2009 – present: Renewable Energy Consultant (self-employed)

2008 – 2011: Instructor of Renewable Energy, Morrisville State College (Research Foundation of New York)

2008 – present: Instructor, Morrisville State College's Renewable Energy Training Center

2006 – 2008: Graduate Research Assistant, University of Maine, School of Forest Resources, Orono, Maine.

2004-2006: Graduate Teaching Assistant (Forest Vegetation, Timber Harvesting, Photogrammetry and Remote Sensing, Field Practice in Forest Management), University of Maine, School of Forest Resources, Orono, Maine.

2003: Graduate Teaching Assistant (Introduction to Forest Soils), State University of New York College of Environmental Science and Forestry, Syracuse, New York.

2003: Research Aide, State University of New York College of Environmental Science and Forestry, Syracuse New York.

2002: High School Science Teacher (Botany, Anatomy and Physiology, Oceanography, Astronomy), The Adirondack School, Greenwich, New York.

2001-2004: Consultant Forester, Self-employed, Stamford, New York.

Courses Instructed (Morrisville State College)

1. Renewable Energy Resources (RENG 102), including RENG 102 online (3 credits)
2. Renewable Energy Seminar (RENG 103, 1 credit)
3. Introduction to Small Wind Systems (RENG 221, 3 credits)
4. Introduction to Solar Photovoltaics (RENG 231, 3 credits, NABCEP-approved)
5. Tower Climbing and Rescue (RENG 225, 2 credits)
6. Wind and Hydro Energy Systems (RENG 320, 3 credits)

7. Introduction to Micro Hydroelectricity (RENG 321, 3 credits)
8. Solar and Geothermal Energy Systems (RENG 330, 3 credits)
9. Introduction to Solar Thermal Systems (RENG 331, 3 credits, NABCEP-approved)
10. Renewable Energy Systems (RENG 305, 3 credits)
11. Residential Wind Systems (RENG 420, 3 credits)
12. Solar Photovoltaic Systems (RENG 430, 3 credits, NABCEP-approved)
13. Systems Integration (RENG 460, 1 credit)
14. Instructional Assistance Experience (AGNR 400, variable 1 to 4 credits)

Courses Developed (Morrisville State College)

1. Renewable Energy Resources online (RENG 102LN, 3 credits)
2. Introduction to Small Wind Systems (RENG 221, 3 credits)
3. Introduction to Solar Photovoltaics (RENG 231, 3 credits)
4. Tower Climbing and Rescue (RENG 225, 2 credits)
5. Wind and Hydro Energy Systems (RENG 320, 3 credits)
6. Introduction to Micro Hydroelectricity (RENG 321, 3 credits)
7. Solar and Geothermal Energy Systems (RENG 330, 3 credits)
8. Introduction to Solar Thermal Systems (RENG 331, 3 credits)
9. Residential Wind Systems (RENG 420, 3 credits)
10. Solar Photovoltaic Systems (RENG 430, 3 credits)
11. Systems Integration (RENG 460, 1 credit)

Student and University Service

1. Outdoor Recreation Club Co-advisor. Fall 2015 – present.
2. Tenure review committee member for Charles “Chip” Ax. Fall 2015.
3. Professional Development Committee member. Fall 2013 – present.
4. SUNY 20/20 Anaerobic Methane Digester Steering Committee member. Fall 2013 - present.
5. Tenure review committee member for Benjamin D. Ballard. Spring 2013.
6. Program review committee member. Science Technology and Society Bachelor of Science (5-year review). Spring 2013.
7. Campus Realignment Task Force member. Spring 2013.
8. Campus representative at the Woodsman Field Days, Boonville, NY. Fall 2012.
9. Renewable Energy Club co-advisor. Fall 2010 – present.
10. Middle States Self-Study committee member. Spring-Fall 2010.
11. Morrisville State College Utilities Task Force committee member. Fall 2010.
12. Campus representative at the New York State Fair. 2009-2011.
13. Renewable Energy A.A.S. student advisor. Fall 2009 – present.
14. Research Scientist (Controlled Environmental Agriculture/Aquaponics) search committee member. July, 2009.
15. Entrepreneurship faculty search committee member. June, 2009.
16. Small Business Management faculty search committee member. June, 2009.

Publications (peer reviewed, conference proceedings, and theses)

1. Nowak, C.A., B.D. Ballard, and **P.V. Hofmeyer**. 2014. Plant community development on electric transmission line rights-of-way with/without attention to controlling invasive, exotic plants: A long-term collaborative research project with FirstEnergy – Year 2. Technical Report No. 3002002750, Electric Power Research Institute, Palo Alto, CA.

2. Nowak, C.A., B.D. Ballard, and **P.V. Hofmeyer**. 2014. Plant community development on electric transmission line rights-of-way with/without attention to controlling invasive, exotic plants: A long-term collaborative research project with FirstEnergy on the Cuyahoga Valley National Park. Technical Report No. 3002004307, Electric Power Research Institute, Palo Alto, CA.
3. Boulfroy, Emmanuelle; Forget, Eric; **Hofmeyer, Philip V.**; Kenefic, Laura S.; Larouche, Catherine; Lessard, Guy; Lussier, Jean-Martin; Pinto, Fred; Ruel, Jean-Claude; Weiskittel, Aaron. 2012. Guide pour la sylviculture du thuya occidental. Rapport D'information. FI-X-008. Service Canadien Des Forets Centre Canadien Sur La Fibre De Bois. 72 p.
4. Boulfroy, Emmanuelle; Forget, Eric; **Hofmeyer, Philip V.**; Kenefic, Laura S.; Larouche, Catherine; Lessard, Guy; Lussier, Jean-Martin; Pinto, Fred; Ruel, Jean-Claude; Weiskittel, Aaron. 2012. Silvicultural Guide for Northern White-Cedar (Eastern White Cedar). Gen. Tech. Rep. NRS-98. Newtown Square, PA: U.S. Department of Agriculture, Forest Service, Northern Research Station. 82 p.
5. **Hofmeyer, P.V.** 2011. Micro Hydroelectricity Installers Skills Assessment. Report for President's CBJT Grant (CB-17331-08-60-A-36) project "Morrisville State College Renewable Energy Training Center", US DOL ETA and Morrisville State College, Morrisville, NY, USA.
6. **Hofmeyer, P.V.**, R.S. Seymour, and L.S. Kenefic. 2010. Historical early stem development of northern white-cedar (*Thuja occidentalis* L.) in Maine. Northern Journal of Applied Forestry 27(3): 92-96.
7. Weiskittel, A.R., R.S. Seymour, **P.V. Hofmeyer**, and J.A. Kershaw. 2010. Modelling primary branch frequency and size for five conifer species in Maine, USA. Forest Ecology and Management 259(10): 1912-1921.
8. **Hofmeyer, P.V.**, R.S. Seymour, and L.S. Kenefic. 2010. Production ecology of *Thuja occidentalis* L. in Maine. Canadian Journal of Forest Research. 40: 1155-1164.
9. **Hofmeyer, P.V.**, R.S. Seymour, and L.S. Kenefic. 2009. Influence of soil site class on growth and decay of northern white-cedar and two associates in Maine. Northern Journal of Applied Forestry 26(2): 68-75.
10. Weiskittel, A.R., J.A. Kershaw, **P.V. Hofmeyer**, and R.S. Seymour. 2009. Species differences in total and vertical distribution of branch- and tree-level leaf area for the five primary conifer species in Maine, USA. Forest Ecology and Management 258(7): 1695-1703.
11. **Hofmeyer, P.V.**, L.S. Kenefic, and R.S. Seymour. 2009. Northern white-cedar ecology and silviculture in the northeastern United States and southeastern Canada. Northern Journal of Applied Forestry 26(1): 21-27.
12. **Hofmeyer, P.V.** 2008. Ecology and silviculture of northern white-cedar (*Thuja occidentalis* L.) in Maine. Ph.D. Dissertation. University of Maine. Orono, ME. 146 p.
13. **Hofmeyer, P.V.**, L.S. Kenefic, and R.S. Seymour. 2007. Northern white-cedar: An annotated bibliography. Cooperative Forestry Research Unit Research Report 07-01. 30 p.
14. **Hofmeyer, P.V.**, L.S. Kenefic, R.S. Seymour, and J.C. Brissette. 2006. Growth comparison of northern white-cedar to red spruce and balsam fir by site class. In Laroque, G.R. et al., eds. 2006. Eastern Canada – USA Forest Science Conference. Quebec, QC. October 19-21, 2006. p. 62-66.
15. **Hofmeyer, P.V.** 2004. Sawtimber production with thinning in stratified, mixed-species, even-aged hardwoods. M.S. Thesis. SUNY College of Environmental Science and Forestry. Syracuse, NY. 79 p.

Funded Grants (principal or co-principal investigator only)

1. Research Foundation STEM grant - Sustainability of micro hydroelectricity in residential grid-interactive systems: A study of ecological, economical, and social factors. Fall 2013. \$5,000 award.
2. NYSERDA PON 2664: Improving Bridges for Clean Energy Training from High School to College and Career. August 2013. Co-PI (PI: Andrew DeFeo, Questar BOCES, Co-PI: Glenn Van Knowe, MESO, Inc.). \$200,000 award.

3. Electric Power Research Institute: Right-of-Way Plant Community With/Without Attention to Controlling Invasive, Exotic Plants: Along-Term Collaborative Research Project on the Cuyahoga Valley National Park. June 2013. Co-PI (PI: Chris Nowak, SUNY ESF, Co-PI: Ben Ballard, Morrisville State College).
4. SUNY Innovative Instruction Technology Grant (IITG): Integration of Virtual and Real Equipment Learning Tools Related to Sustainability Education. May 2013. Co-PI (PI: Mark Bremer, SUNY IT). \$15,000 award.
5. Herkimer-Madison-Oneida Consortium 13N Environmental & Energy Grant. 2010. Madison County Micro Hydroelectric Project. \$1,000 Award.
6. Herkimer-Madison-Oneida Consortium 13N Environmental & Energy Grant. 2009. Micro hydroelectric demonstration in Madison County. \$1,000 Award.
7. Syracuse Campus-Community Entrepreneurship Initiative. 2009. Micro hydroelectric demonstration in Madison County. PI: Philip V. Hofmeyer. Co-PI: Kevin Jablonski. \$20,000 awarded, \$132,000 match.
8. Northeastern States Research Cooperative grant: Soil-Site Influences on Northern White-Cedar (*Thuja occidentalis*) Stem Quality and Growth. \$59,991 awarded, \$10,000 match Maibec Industries, Inc. 2008.

Professional Workshops Instructed

1. Requirements and effectiveness of micro hydroelectricity systems. November 6, 2015. A field tour workshop for Engineers Without Borders. Morrisville State College, Morrisville, NY.
2. Micro Hydroelectricity 101, 3-day "energy boot camp". July 20-23, 2015. Energy Path 2015 Conference. Scranton University, Scranton, PA.
3. Competent and rescuer tower climbing workshop. CEC Energy. June 10 and 11, 2015.
4. Integrating Renewable Energy Science into your Classroom - Part 2 Solar Thermal. July 23-24, 2014. Renewable Energy Training Center. Morrisville, NY. Co-Instructor: Dr. Neal Abrams.
5. Integrating Renewable Energy Science into your Classroom - Part 1. July 21-22, 2014. Tech Valley High School. Rensselaer, NY. Co-Instructor: Dr. Glenn Van Knowe.
6. Micro Hydroelectricity 101, 3-day "energy boot camp". June 16-18, 2014. Energy Path 2014 Conference. Albright College. Reading, PA.
7. Authorized tower climber training for CEC Energy. June 11 and 12, 2014. Morrisville, NY.
8. Advance tower climbing and rescue for Weaver Wind Energy. May 21, 2014. Co-taught with Ben Ballard. Morrisville, NY.
9. Residential and small commercial hydro: what are they and what's practical? May 3, 2014. Lansing Communergy energy series (lecture and field tour). Lansing, NY.
10. SUNY IT Air Breeze wind turbine installation. April 19, 2014. Installation as part of IITG grant. Utica, NY.
11. A day with micro hydro. April 12, 2014. SUNY ESF student design-build. Morrisville, NY.
12. Tower climbing and rescue for CEC Energy. March 15, 2014. Co-taught with Ben Ballard. Morrisville, NY.
13. Micro hydro power in Madison County. January 29, 2014. Sustainable Thompkins and Cayuga County Soil and Water presentation and field tour. Morrisville, NY.
14. Micro Hydroelectricity 101, 3-day "energy boot camp". July 29-31, 2013. Energy Path 2013 Conference. Villanova University. Villanova, PA.
15. Solar PV and Solar Thermal Nuts and Bolts. June 9, 2013. Solarize Madison workshop. Renewable Energy Training Center. Morrisville, NY.

16. Solar PV Nuts and Bolts. July 30, 2012. Solarize Madison workshop. Renewable Energy Training Center. Morrisville, NY.
17. Tower Climbing and Rescue. March 2012. Weaver Wind Energy. Renewable Energy Training Center. Morrisville, NY. Co-taught with Dr. Ben Ballard.
18. Micro Hydroelectricity 101, 3-day "energy boot camp". June 25-28, 2012. Energy Path 2012 Conference. DeSales University, Center Valley, PA.
19. Skystream Dealer Training, Southwest Windpower. March 2011.
20. Solar Thermal Hot Water Systems: Site Assessment and Installation. April 2010. Renewable Energy Training Center. Morrisville, NY.
21. Small Wind Resource: Siting Considerations. Small Wind Energy Technician Training II: Site Assessment. April 2010. Renewable Energy Training Center. Morrisville, NY.
22. Solar Hot Water Residential Installation. September 2009. Renewable Energy Training Center. Morrisville, NY.

Presentations

Invited presentations

1. Wind and Hydro for Residential, Small Commercial, and Farm Energy (An Exercise in Sustainability). April 20, 2015. Kirkland in Transition lecture series. Clinton, NY.
2. A Renewable Energy Primer with a focus on solar hot water, wood gasification, small wind, and solar PV. October 16, 2014. Renewable Energy Forum: Real Solutions for our Sustainable Future. Oxford, NY.
3. Sustainability of Residential and Farm-Scale Micro Hydroelectricity. September 30, 2014. SUNY Sustainability Conference. SUNY Oswego. Oswego, NY.
4. Residential and Small Commercial Hydroelectricity Systems. June 30, 2014. Town of Lebanon Planning Board Meeting. Lebanon, NY.
5. Micro Hydroelectricity Basics. May 3, 2014. Lansing Spring Workshop Series on Renewable Energy. Lansing, NY.
6. Residential and farm-scale renewable energy systems: What is available and what is practical? April 24, 2014. Norwich Lions and Rotary Club. Norwich, NY.
7. A Tale of 4 Turbines: A Guided Journey Through Residential- and Farm-Scale Micro hydroelectricity. November 20, 2013. Golisano Institute for Sustainability. Rochester Institute of Technology. Rochester, NY.
8. Micro Hydroelectricity 101. August 1, 2013. Energy Path 2013 Conference. Villanova University, Villanova, PA.
9. Big Energy from Small Power Hydroelectricity Systems. June 7, 2013. North Country Clean Energy Conference. Lake Placid, NY.
10. Small Wind Site Assessment: The Butterfly Effect. June 6, 2013. North Country Clean Energy Conference. Lake Placid, NY.
11. Micro Hydroelectricity 101. June 29, 2012. Energy Path 2012 Conference. DeSales University, Center Valley, PA.
12. Micro Hydroelectricity: BIG energy from small power systems. June 7, 2011. Energy Path 2011 Conference. DeSales University, Center Valley, PA.
13. Offsetting farm energy costs with micro hydro systems. January 12, 2011. Cornell Cooperative Extension and Madison County Ag Economic Development. Morrisville, NY.
14. Renewable Energy Systems: Challenges of Production and Storage. November 16, 2010. Halfmoon Seminar Series: Using, Storing and Transmitting Renewable Energy. Syracuse, NY.
15. Residential wind and water: woes and triumphs. June 28, 2010. Sustainable Energy Education & Training (SEET) Technology Workshop. National Renewable Energy Laboratory. Golden, CO.

16. Solar thermal hot water systems: Site assessment and installation. April 23, 2010. Renewable Energy Training Center technical training session. Morrisville, NY.
17. Shedding light on the solar resource. April 10, 2010. Mohawk Valley Science Teachers Association. Utica, NY.
18. Small Wind Resource: Siting Considerations. April 2, 2010. Small Wind Energy Technician Training II - Site Assessment. Renewable Energy Training Center technical training session. Morrisville, NY.
19. Micro hydroelectricity: Benefits and Applications. March 10, 2010. Joint meeting of the Association of Energy Engineers and the Air and Waste Management Association. Albany, NY.
20. Green Training Opportunities at the RETC. March 9, 2010. CNY Works Career Connections at the OnCenter. Syracuse, NY.
21. Just-in-Time Training for the Renewable Energy Job Sector. November 19, 2009. CNY Works Career Connections at the OnCenter. Syracuse, NY.
22. Rural small wind energy: Resource overview and system components. June 27, 2009. Herkimer-Oneida Counties Comprehensive Planning Program. Mohawk Valley Community College, Utica, NY.
23. The solar resource. June 21, 2009. 2009 Professional Development Conference for Agriculture Educators. Oswegatchie Education Center, Croghan, NY.
24. The hydro resource and micro hydroelectricity systems. June 22, 2009. 2009 Professional Development Conference for Agriculture Educators. Oswegatchie Education Center, Croghan, NY.
25. Renewable energy systems and resources: What's available and what works? June 3, 2009. Town of Schuylers Planning and Zoning Board. Schuylers Municipal office, Schuylers, NY.
26. Micro hydroelectric resource and system overview. April 27, 2009. Madison County Ad Hoc Energy Committee. Morrisville State College, Morrisville, NY.
27. Hofmeyer, P.V., L.S. Kenefic, and R.S. Seymour. 2008. Ecology and silviculture of northern white-cedar in Maine: final report. Presented at the Cooperative Forestry Research Unit Advisory Meeting. April, 7 2008. Orono, ME.
28. Hofmeyer, P.V. 2007. Sustainability of the northern white-cedar resource in Maine. Presented for the George F. Dow, Fred Griffiee, and Norris C. Clements Graduate Student Award. December 17, 2007. Orono, ME.
29. Hofmeyer, P.V., L.S. Kenefic, and R.S. Seymour. 2007. Northern white-cedar (*Thuja occidentalis* L.) early stem development, basal area growth and growth efficiency. Presented at the Biannual Cedar Club Meeting. September 21, 2007. Quebec City, QC.
30. Hofmeyer, P.V., L.S. Kenefic, and R.S. Seymour. 2007. Ecology and silviculture of northern white-cedar in Maine: study update and ongoing research. Presented at the Cooperative Forestry Research Unit Advisory Meeting. April, 25 2007. Orono, ME.
31. Hofmeyer, P.V., L.S. Kenefic, and R.S. Seymour. 2006. Ecology and silviculture of northern white-cedar in Maine: study update. Presented at the Biannual Cedar Club Meeting. September 12, 2006. Orono, ME.
32. Hofmeyer, P.V., L.S. Kenefic, and R.S. Seymour. 2006. Basal area growth of northern white-cedar, red spruce and balsam fir in Maine: preliminary findings. Presented at the Northern Maine Forest Forum. Maine Division of the Society of American Foresters. March 30, 2006. Caribou, ME.
33. Hofmeyer, P.V., L.S. Kenefic, and R.S. Seymour. 2006. Ecology and silviculture of northern Maine. Presented at the Cooperative Forestry Research Unit Winter Advisory Meeting. January 21, 2006. Orono, ME.
34. Hofmeyer, P.V., L.S. Kenefic, and R.S. Seymour. 2005. Ecology and silviculture of northern Maine.

Presented at the Biannual Cedar Club Meeting. April 27, 2005. Quebec City, QC.

35. Hofmeyer, P.V. and C.A. Nowak. 2004. Sawtimber production with thinning in stratified, mixed-species, even-aged northern hardwoods. Presented at the University of Maine Forestry Seminar Series. November 12, 2004. Orono, ME.

Offered presentations

1. Hofmeyer, P.V. 2015. Marketing for diversity and inclusion: Image analysis of safety. Presented at the Morrisville State College Professional Development Conference. January 12, 2015. Morrisville, NY.
2. Hofmeyer, P.V., L.S. Kenefic, and R.S. Seymour. 2008. Leaf area prediction models and growth efficiency of *Thuja occidentalis* L. in Maine. Presented at the New York /New England Society of American Foresters Spring Meeting. February 27, 2008. Saratoga Springs, New York.
3. Hofmeyer, P.V., L.S. Kenefic, R.S. Seymour, and J.C. Brissette. 2006. Growth comparison of northern white-cedar to red spruce and balsam fir as a function of site: preliminary findings. Presented at the Eastern Canada - USA Forest Science Conference. October 21, 2006. Quebec, QC.
4. Hofmeyer, P.V. and C.A. Nowak. 2004. Sawtimber production with thinning in stratified, mixed-species, even-aged northern hardwoods. Presented at the Eastern Canada - USA Forest Science Conference. October 16, 2004. Fredericton, New Brunswick.

Poster Presentations

1. Hofmeyer, P.V. 2013. Oxbow Falls micro hydroelectricity system. On display at the Oxbow Falls disc golf course off-grid bathroom facility. Clockville, NY.
2. Hofmeyer, P.V. 2010. Residential energy generation is blowin' in the wind. On display at the Fenner Renewable Energy Education Center. Fenner, NY.
3. Hofmeyer, P.V. 2010. Putting residential energy efficiency to action! On display at the Fenner Renewable Energy Education Center. Fenner, NY.
4. Hofmeyer, P.V., L.S. Kenefic, and R.S. Seymour. 2008. Early stem development and sustainability of the northern white-cedar resource in Maine. Presented at the New York/New England Society of American Foresters Winter Meeting. February 27-29, 2008. Saratoga Springs, NY.
5. Hofmeyer, P.V., L.S. Kenefic, R.S. Seymour, and J.C. Brissette. 2006. Ecology and silviculture of northern white-cedar: preliminary findings. Presented at the Society of American Foresters National Convention. October 25-29, 2006. Pittsburgh, PA. Presented at the New England Society of American Foresters Annual Meeting. April 4-6, 2006. Nashua, NH.
6. Hofmeyer, P.V., L.S. Kenefic, R.S. Seymour, and J.C. Brissette. 2005. Ecology and silviculture of northern white-cedar (*Thuja occidentalis* L.): proposed study. Presented at the 5th North American Forest Ecology Workshop. June 13-16, 2005. Gatineau, Quebec. Presented at the New England Society of American Foresters Annual Meeting. March 15-18, 2005. South Portland, ME. Presented at the Eastern Canada – USA Forest Science Conference. October 15-16, 2004. Fredericton, New Brunswick.
7. Hofmeyer, P.V. and C.A. Nowak. 2004. Height growth responses to site conditions in a 72-year-old central New York red pine plantation. Presented at the ESF Spotlight on Student Research Poster Session. April 14, 2004. Syracuse, NY.
8. Hofmeyer, P.V. and C.A. Nowak. 2004. Sawtimber production with thinning in stratified, mixed-species, even-aged northern hardwoods. Presented at the ESF Spotlight on Student Research Poster Session. April 14, 2004. Syracuse, NY.

Professional Development

1. Certified in Basic First Aid, Basic Life Support (adult/child/infant), and Adult CPR.
2. Midwest Renewable Energy Association Fair and Conference. June 19-22, 2015. Custer, WI.
3. Northeast Solar Heating and Cooling Instructor Training Network. Solar Heating and Cooling Design and Installation. July 2011. Department of Energy. Saratoga Springs, NY. (Instructor: Vaughan Woodruff)
4. Small Wind Site Assessment. July 2011. Morrisville, NY (Instructor: Mick Sagrillo)
5. CERET Renewable Energy Train-The-Trainer Academy: Solar Electric (Photovoltaic) Education and Training. July 2011. Solar Energy International, Paonia, CO. (Instructors: SEI Staff)
6. Microhydro Power Workshop. July 2010. Morrisville, NY. (Instructor: Paul Cunningham)
7. Grounding for Solar and Wind Power Systems. July 2010. Morrisville, NY. (Instructor: Court Rutherford)
8. ComTrain Basic and Advanced Tower Climbing and Rescue Course. July 2010. Morrisville, NY. Certificate # CTC30019 (Instructor: ComTrain Staff)
9. Solar Wood Drying Kiln Construction. June 2010. Morrisville, NY.
10. Advanced Solar Thermal Design. April 2010. Morrisville, NY. (Instructor: John Siegenthaler)
11. Fundamentals of Energy Transfer for Renewable Energy Systems. April 2010. Morrisville, NY. (Instructor: John Siegenthaler)
12. Small Wind Energy Technician Training II: Site Assessment. April 2010. Morrisville, NY. (Instructor: Sustainable Energy Development staff)
13. Small Wind Energy Technician Training I: Safety. March 2010. Morrisville, NY. (Instructor: Sustainable Energy Development staff)
14. Small Wind Site Assessment and Proposals. February 2010. Morrisville, NY. (Instructor: Court Rutherford)
15. Solar PV Site Assessment and Proposals. January 2010. Morrisville, NY. (Instructor: Court Rutherford)
16. Southwest Wind Power Skystream Dealer and Service Training Program. December 2009. Augusta, ME. (Instructor: Ross Taylor)
17. Geothermal Heat Pump Systems Design. November 2009. Morrisville, NY. (Instructor: John Siegenthaler)
15. NABCEP PV Entry Level Certificate of Knowledge. September 2009.
16. Advanced Solar PV Installer's Course. September 2009. Morrisville, NY. (NABCEP-approved, Instructor: Gay Canaugh)
17. Fundamentals of Solar Thermal Systems. September 2009. Morrisville, NY. (Instructor: John Siegenthaler)
18. Radiant I Heating and Cooling: Basic Theory and Field installation. May 2009. Utica, NY. (Instructor: John Siegenthaler)
19. Radiant II Heating and Cooling: Application and Design. May 2009. Utica, NY. (Instructor: John Siegenthaler)
20. Solar Power as Renewable Energy Photovoltaic Basic Installer Course. March 2009. Morrisville, New York. (NABCEP-approved, Instructor: Gay Canaugh)
21. White-tailed deer overwintering areas in Maine field tour. October, 2007. Orono, Maine.
22. Game of Logging chainsaw safety workshop. May 2006. Orono, Maine.
23. Invasive Plants Identification and Management Workshop. April 2006. Orono, Maine.
24. Silviculture of Allegheny Hardwoods workshop. September 2004. Kane, Pennsylvania.
25. Association for the Cooperative Advancement of Science and Education workshop. June-July 2002. Troy, New York.

External Committees

1. Cornell Cooperative Extension of Madison County President (2015-present)
2. Cornell Cooperative Extension of Madison County Vice President (2013-present)
3. Cornell Cooperative Extension of Madison County advisory board member (2011-2012)
4. Solarize Madison selection committee (2012 and 2013)
5. Central NY Regional Sustainability Plan Expert Advisory Committee member (2012)
6. Madison County Committee on Energy board member (2011-present)
7. Fenner Renewable Energy Education (FREE) Center advisory board member (2010-2014)

Honors and Awards

1. SUNY Chancellor's Award for Excellence in Teaching, Morrisville State College, 2015.
2. George F. Dow, Fred Griffiee, and Norris C. Clements Graduate Student Award, University of Maine, Maine Agriculture and Forest Experiment Station, 2007.
3. Ralph H. Griffin Memorial Scholarship, University of Maine, School of Forest Resources, 2006.
4. Outstanding Graduate Poster Award, State University of New York College of Environmental Science and Forestry, Syracuse New York, 2004.
5. Vocational Industrial Clubs of America (VICA) Conservation competition 1st place, Sanborn, New York, 1996 and 1997.
6. Regional Envirothon team member 1st place, Sanborn, New York, 1996 and 1997.

Professional Associations

1. American Solar Energy Society member since 2008
2. American Wind Energy Association member since 2008
3. Forest Guild member since 2007
4. Society of American Foresters member since 2000
5. New England Society of American Foresters Silviculture Working Group (2004-2008)