**CEDM Publications by year**

[*Journals*](#Journals)*,* [*Conference Proceedings*](#CP)*,* [*Book Chapters*](#Book)*,* [*Reports*](#Reports)*,* [*Theses*](#Theses)

**Journals**

**2010**

1. Alvares de Silva, C., McDaniels, T., Veiga, M. (2010) Multi-criteria decision analysis for selecting lead recycling policies. *Environmental Science & Technology*
2. Alvares de Silva, C., McDaniels, T., Veiga, M. (2010) Structuring societal objectives in recycling systems: The case study of lead-acid batteries in British Columbia, Canada. *Journal of Environmental Management*
3. Fleishman, L. A., De Bruin, W. B., & Morgan, M. G. (2010). Informed public preferences for electricity portfolios with CCS and other low‐carbon technologies. *Risk Analysis: An International Journal*, *30*(9), 1399-1410.
4. Gilmore, E. A., Apt, J., Walawalkar, R., Adams, P. J., & Lave, L. B. (2010). The air quality and human health effects of integrating utility-scale batteries into the New York State electricity grid. *Journal of Power Sources*, *195*(8), 2405-2413.
5. Gouge, B., Ries, F. J., & Dowlatabadi, H. (2010). Spatial distribution of diesel transit bus emissions and urban populations: implications of coincidence and scale on exposure. *Environmental science & technology*, *44*(18), 7163-7168.
6. Gresham, R. L., McCoy, S. T., Apt, J., & Morgan, M. G. (2010). Implications of compensating property owners for geologic sequestration of CO2.
7. Grossmann, W. D., Grossmann, I., & Steininger, K. (2010). Indicators to determine winning renewable energy technologies with an application to photovoltaics.
8. Hagerman, S., Dowlatabadi, H., Satterfield, T., & McDaniels, T. (2010). Expert views on biodiversity conservation in an era of climate change. *Global environmental change*, *20*(1), 192-207.
9. Hagerman, S., Satterfield, T., & Dowlatabadi, H. (2010). Climate change impacts, conservation and protected values: understanding promotion, ambivalence and resistance to policy change at the World Conservation Congress. *Conservation and Society*, *8*(4), 298-311.
10. Hittinger, E., Whitacre, J. F., & Apt, J. (2010). Compensating for wind variability using co-located natural gas generation and energy storage. *Energy Systems*, *1*(4), 417-439.
11. Hoppock, D. C., & Patiño-Echeverri, D. (2010). Cost of wind energy: comparing distant wind resources to local resources in the Midwestern United States. *Environmental science & technology*, *44*(22), 8758-8765.
12. Jacob, C., McDaniels, T., & Hinch, S. (2010). Indigenous culture and adaptation to climate change: sockeye salmon and the St’át’imc people. *Mitigation and Adaptation Strategies for Global Change*, *15*(8), 859-876.
13. Jaffee, D., Kunreuther, H., & Michel-Kerjan, E. (2010). Long-term property insurance. *Journal of Insurance Regulation*, *29*(7), 167-187.
14. Katzenstein, W., Fertig, E., & Apt, J. (2010). The variability of interconnected wind plants. *Energy policy*, *38*(8), 4400-4410.
15. Keith, D. W., Parson, E., & Morgan, M. G. (2010). Research on global sun block needed now. *Nature*, *463*(7280), 426-427.
16. Lee, J., Veloso, F. M., Hounshell, D. A., & Rubin, E. S. (2010). Forcing technological change: a case of automobile emissions control technology development in the US. *Technovation*, *30*(4), 249-264.
17. Mazzi, E., Dowlatabadi, H., Kandlikar, M. (2010) Tailpipe CO2 Emission Regulations And Auto Collision Risks: A UK Case Study. *The Lancet*
18. Michel‐Kerjan, E. O., & Kousky, C. (2010). Come rain or shine: Evidence on flood insurance purchases in Florida. *Journal of Risk and Insurance*, *77*(2), 369-397.
19. Mills, T., Ohlson, D., McDaniels, T., & Gregor, R. (2010) Structured Decision Making For Climate Adaptation In Forest Land Management. *Mitigation and Adaptation to Climate Change*
20. Moreno-Cruz, J. B. (2010). Mitigation and the geoengineering threat. *Resource and Energy Economics*, *41*, 248-263.
21. Morgan, M. G. (2010) Why Geoengineering? *Technology Review*, Jan/Feb 2010, 14-15.
22. Peterson, S. B., Apt, J., & Whitacre, J. F. (2010). Lithium-ion battery cell degradation resulting from realistic vehicle and vehicle-to-grid utilization. *Journal of Power Sources*, *195*(8), 2385-2392.
23. Peterson, S. B., Whitacre, J. F., & Apt, J. (2010). The economics of using plug-in hybrid electric vehicle battery packs for grid storage. *Journal of Power Sources*, *195*(8), 2377-2384.
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29. Vignola, R., Koellner, T., Scholz, R. W., & McDaniels, T. L. (2010). Decision-making by farmers regarding ecosystem services: Factors affecting soil conservation efforts in Costa Rica. *Land use policy*, *27*(4), 1132-1142.
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**2011**

1. Apt, J., Hendrickson, C. T., & Morgan, M. G. (2011). Lester Lave, Visionary Economist. *Environmental Science & Technology*, Vol. 45, No. 13, 2011, 5457-5458.
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3. Azevedo, I. M. L., Morgan, M. G., & Lave, L. (2011). Residential and regional electricity consumption in the US and EU: How much will higher prices reduce CO2 emissions?. *The Electricity Journal*, *24*(1), 21-29.
4. Blackhurst, M., Azevedo, I. L., Matthews, H. S., & Hendrickson, C. T. (2011). Designing building energy efficiency programs for greenhouse gas reductions. *Energy Policy*, *39*(9), 5269-5279.
5. Blackhurst, M., Matthews, H. S., Sharrard, A. L., Hendrickson, C. T., & Azevedo, I. L. (2011). Preparing US community greenhouse gas inventories for climate action plans. *Environmental Research Letters*, *6*(3), 034003.
6. Chung, T. S., Patiño-Echeverri, D., & Johnson, T. L. (2011). Expert assessments of retrofitting coal-fired power plants with carbon dioxide capture technologies. *Energy Policy*, *39*(9), 5609-5620.
7. Dowlatabadi, H. (2011) Lifecycle analysis of GHG intensity in BC’s energy sources. *Pacific Institute for Climate Solutions*
8. Espinosa-Romero, M. J., Chan, K. M., McDaniels, T., & Dalmer, D. M. (2011). Structuring decision-making for ecosystem-based management. *Marine Policy*, *35*(5), 575-583.
9. Fertig, E., & Apt, J. (2011). Economics of compressed air energy storage to integrate wind power: A case study in ERCOT. *Energy Policy*, *39*(5), 2330-2342.
10. Fischhoff, B. (2011). Applying the science of communication to the communication of science. *Climatic Change*, *108*(4), 701-705.
11. Grossmann, I. (2011) Review of ‘Informing Decisions in a Changing Climate’ by the National Research Council. *The Quarterly Review of Biology*, Vol. 86, No. 4, 2011, 341-342.
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17. Mantripragada, H. C., & Rubin, E. S. (2011). Techno-economic evaluation of coal-to-liquids (CTL) plants with carbon capture and sequestration. *Energy Policy*, *39*(5), 2808-2816.
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**2013**

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8. Kirchen, K., Harbert, W., Apt, J., & Morgan, M. G. (2020). A Solar‐Centric Approach to Improving Estimates of Exposure Processes for Coronal Mass Ejections. *Risk Analysis*, *40*(5), 1020-1039.
9. Lamy, J., de Bruin, W. B., Azevedo, I. M., & Morgan, M. G. (2020). Keep wind projects close? A case study of distance, culture, and cost in offshore and onshore wind energy siting. *Energy Research & Social Science*, *63*, 101377.
10. Lovering, J. R., Abdulla, A., & Morgan, G. (2020). Expert assessments of strategies to enhance global nuclear security. *Energy Policy*, *139*, 111306.
11. Mohan, A., Sripad, S., Vaishnav, P., & Viswanathan, V. (2020). Trade-offs between automation and light vehicle electrification. *Nature Energy*, *5*(7), 543-549.
12. Murphy, S., Lavin, L., & Apt, J. (2020). Resource adequacy implications of temperature-dependent electric generator availability. *Applied Energy*, *262*, 114424.
13. Rath, M., & Morgan, M. G. (2020). Assessment of a hybrid system that uses small modular reactors (SMRs) to back up intermittent renewables and desalinate water. *Progress in Nuclear Energy*, *122*, 103269.
14. Reed, L., Dworkin, M., Vaishnav, P., & Morgan, M. G. (2020). Expanding transmission capacity: examples of regulatory paths for five alternative strategies. *The Electricity Journal*, *33*(6), 106770.
15. Sergi, B. J., Adams, P. J., Muller, N. Z., Robinson, A. L., Davis, S. J., Marshall, J. D., & Azevedo, I. L. (2020). Optimizing Emissions Reductions from the US Power Sector for Climate and Health Benefits. *Environmental science & technology*, *54*(12), 7513-7523.
16. Sergi, B., Azevedo, I., Davis, S. J., & Muller, N. Z. (2020). Regional and county flows of particulate matter damage in the US. *Environmental Research Letters*, *15*(10), 104073.
17. Sherwin, E. D., & Azevedo, I. M. (2020). Characterizing the association between low-income electric subsidies and the intra-day timing of electricity consumption. *Environmental Research Letters*, *15*(9), 094089.
18. Tong, F., & Azevedo, I. M. (2020). What are the best combinations of fuel-vehicle technologies to mitigate climate change and air pollution effects across the United States?. *Environmental Research Letters*, *15*(7), 074046.

**Conference Proceedings**

**2010**

1. Abreu, J. (speaker); Azevedo, I. L., (2010) Key aspects for the design of real time feedback programs – a perspective from experimental research. *Behavior, Energy and Climate Change Conference*, November 14-17, Sacramento, California, US.
2. Griffin, W. M., (2010) LCA: How Can We Use the Method and Get Real Value from the Results Within a Regulatory Framework. *LCAX*, November 4. Portland, Oregon, US.
3. Griffin, W. M., (2010) Policy Impacts of CO2 Emissions Timing and Uncertainty in Life-Cycle Greenhouse Gas Emissions from Next-Generation Biofuels. *University of Washington, Mechanical Engineering Department*, November 5. Seattle, Washington, US.
4. Hagerman, S. M.; Satterfield, T. S.; Dowlatabadi, H., (2010) Climate Impacts and Biodiversity Conservation: Examining Evolving Environmental Values, Scientific Uncertainties and Policy Preferences. *DISCCRS V*
5. Thomas, B. (speaker); Azevedo, I. L., (2010) Non-fungibility of consumer expenditures and the rebound effect. *Behavior, Energy and Climate Change Conference*, November 14-17, Sacramento, California, US.

**2011**

1. Abreu, J.; Azevedo, I. L.; Pereira, F, (2011). A contribution for a better understanding of the residential sector electricity demand. *Proceedings of the European Energy Efficiency Council (ECEEE) Summer Study*, June 6-11. France.
2. Azevedo, I. L. (speaker); Venâncio, A., (2011) The impact of feed-in tariffs for renewable energy sources in the creation of green entrepreneurs: evidence from Portugal. *Industry Studies Association Conference*, May 31-June 2. Pittsburgh, Pennsylvania, US.
3. Azevedo, I.L. (speaker); Morgan. M. G.; Palmer, K.; Lave, L., (2011). How much will reducing greenhouse gases in the US residential sector cost? *International Society for Industrial Ecology Biannual Meeting,* June 7-11. Berkeley, California, US.
4. Azevedo, I.L. (speaker); Morgan. M. G.; Palmer, K.; Lave, L., (2011). The cost of reducing U.S. residential energy use and CO2 emissions. *Industry Studies Association Conference*, May 31-June 2. Pittsburgh, Pennsylvania, US.
5. Blackhurst, M. (speaker); Matthews, H. S.; Sharrard, A.; Hendrickson, C.; Azevedo, I. L., (2011). Community-level energy and greenhouse gas benchmarking practices and implications for local sustainability programming. *International Society for Industrial Ecology Biannual Meeting*, June 7-11. Berkeley, California, US.
6. Gouge, B.; Ries, F.; Dowlatabadi, H., (2011). Reducing the Health Impacts of Emissions from Public Transportation Fleets through Vehicle Scheduling Optimization. *Proceedings of the Air and Waste Management Association 104th Annual Meeting*, June 21-24. Orlando, Florida.
7. Griffin, W. M., (2011) GHG Emissions Associated with Marcellus Shale Gas and North American Natural Gas Production. *Polish Embassy*, September 14, Washington, DC, US.
8. Griffin, W. M., (2011) Marcellus Shale Gas: Greenhouse Gas Perspective. *Polish PermRep Rue Stevin 139*, October 4, Brussels, Belgium.
9. Griffin, W. M., (2011). Energy Rationale for Marcellus Shale Natural Gas Extraction and it GHG Impact. *Air and Waste Management Association (AWMA) Allegheny Mountain Section (AMS) luncheon*, May 12. Pittsburgh, Pennsylvania, US.
10. Griffin, W. M., (2011). GHG Emissions Associated with Marcellus Shale Gas Production. *Chevron Technology Center*, June 8. Richmond, California, US.
11. Griffin, W. M., (2011). The Energy Case for Shale Gas Production and its CO2 footprint. “Toward a Sustainable PA” *Slippery Rock University*, April 22. Slippery Rock, Pennsylvania, US.
12. Griffin, W. M.; Jiang, M.; Venkatesh, A.; Jaramillo, P.; Hendrickson, C.; VanBriesen, J., (2011). GHG Emissions Associated with Marcellus Shale Gas Production. *International Society for Industrial Ecology*, June 7. Berkeley California, US.
13. Izard, C.F. (speaker), Azevedo, I.L., Samaras, C., Matthews, H.S., Hendrickson, C.T., (2011). US electricity infrastructure flow analysis: how fast must we build? *International Society for Industrial Ecology Biannual Meeting*, June 7-11. Berkeley, California, US.
14. Siler-Evans, K. (speaker); Morgan, M. G.; Azevedo, I. L., (2011). Distributed cogeneration: can we make the economics work? *Industry Studies Association Conference*, May 31-June 2. Pittsburgh, Pennsylvania, US.
15. Wiesmann, D. (speaker); Rosado, L.; Niza, S.; Azevedo, I. L.; Ferrão, P.; Fernandez, J., (2011). Spatially resolved urban material consumption in the residential sector. *International Society for Industrial Ecology Biannual Meeting*, June 7-11. Berkeley, California, US.

**2012**

1. Baptista, P.C.; Azevedo, I. L.; Farias, I. L., (2012). ICT solutions in transportation systems: estimating the costs, benefits, and environmental impacts in the Lisbon region. *15th Edition of the European Working Group on Transportation,* September 10-12, Paris, France.
2. Griffin, W. M., (2012). Coal-to-Gas: Uncertainty in GHG Emissions and Climate Impacts. *Goldschmidt 2012*, June 24-29, Montréal, Québec, Canada.
3. Griffin, W. M., (2012). North American Natural Gas Production and Electricity Generation GHG Emissions Under Uncertainty. *International Petroleum Industry Environmental Conservation Association Meeting – The Expanding Role of Natural Gas Comparing Life-Cycle Greenhouse Gas Emissions*, March 6, Arlington Texas, US.
4. Izard, C. F. (speaker); Azevedo, I. L.; Samaras, C.; Matthews, H. S.; Hendrickson, C. T., (2012). Winners and losers: estimating the regional variation in power plant turnover resulting from the timing of climate change policy. *31st United States Association for Energy Economics Conference (USAEE),* November 4-7, Austin, Texas, US.
5. Izard, C. F. (speaker); Azevedo, I. L.; Samaras, C.; Matthews, H. S.; Hendrickson, C. T., (2012). The sensitivity of power plants retirements to the timing of climate change policy. *Gordon Research Conference in Industrial Ecology,* June 17-22, Les Diablerets, Switzerland.
6. Jenn, A. (speaker); Azevedo, I. L.; Ferreira, P., (2012) Impact of federal incentives on adoption of hybrid electric vehicles in the US. *31st United States Association for Energy Economics Conference (USAEE),* November 4-7, Austin, Texas, US.
7. Jenn, A. (speaker); Azevedo, I. L.; Ferreira, P., (2012). Impact of federal incentives on adoption of hybrid electric vehicles in the United States. *European/International Association for Energy Economics Conference (IAEE),* September 9-12, Venice, Italy.
8. Jenn, A. (speaker); Azevedo, I. L.; Ferreira, P., (2012). Impact of federal incentives on adoption of hybrid electric vehicles in the United States. *International Symposium on Sustainable Systems and Technology, IEEE*, May 16-18, Boston, Massachusetts, US. \*Paper won paper award, 1st place.
9. Lamy, J., (speaker); Morgan, M. G.; Azevedo, I. L., (2012) Integrating remote wind resources: the role of energy storage. *31st United States Association for Energy Economics Conference (USAEE),* November 4-7, Austin, Texas, US.
10. Min, J. (speaker); Azevedo, I. L.; Michalek, J.; Bruine de Bruin, W., (2012) Energy labels increase demand for compact fluorescent bulbs: analyzing consumer preferences for lighting technologies using discrete choice analysis. *31st United States Association for Energy Economics Conference (USAEE),* November 4-7, Austin, Texas, US.
11. Min, J. (speaker); Azevedo, I. L.; Michalek, J.; Bruine de Bruin, W., (2012) Analyzing consumer preferences for lighting technologies using discrete choice analysis. *Industry Studies Association Conference,* May 29-June 1, Pittsburgh, Pennsylvania, US.
12. Peña, I. (speaker); Azevedo, I.L., (2012) The impact of feed-in tariff policies in wind diffusion in Portugal. *Industry Studies Association Conference*, May 29-June 1, Pittsburgh, Pennsylvania, US..
13. Thomas, B. (speaker); Azevedo, I. L., (2012). Direct and indirect rebound effects with Input-Output analysis. *31st United States Association for Energy Economics Conference (USAEE),* November 4-7, Austin, Texas, US.
14. Thomas, B. (speaker); Azevedo, I. L., (2012). Direct and indirect rebound effects with Input-Output analysis. *Empirical Methods in Energy Economics Workshop*, June 7-8, Berlin, Germany.
15. Thomas, B. (speaker); Azevedo, I. L., (2012). Direct and indirect rebound effects with Input-Output analysis. *Industry Studies Association Conference*, May 29-June 1, Pittsburgh, Pennsylvania, US

**2013**

1. Griffin, W. M., (2013). Greenhouse Gas Emissions: Implications of Natural Gas Production and Use. *Whitney Symposium 2013 Unconventional Fuels and Mining, GE Research,* October 29, Niskayuana, New York, US.
2. Griffin, W. M., (2013). Impacts of Shale Gas Production. *Rochester Institute of Technology*, October 11, Rochester, New York, US.
3. Griffin, W. M., (2013). LCA and Uncertainty: Implications for Decision Making. *CRC Workshop on Life Cycle Analysis of Transportation Fuels*, October 15, Argonne National Laboratory, Argonne, Illinois, US.
4. Horner, N.C. (speaker); Azevedo, I. L., (2013). Energy efficiency in data centers: PUE doesn’t measure what we care about. *Behavior Energy and Climate Change Conference (BECC),* November 20, Sacramento, California, US.
5. Jenn, A. (speaker), Blanco, C.; Chernicoff, W.; Michalek, J.; Azevedo, I. L., (2013). Trends in future vehicle fleet mix in response to CAFE standards using a nested optimization construct. *Industry Studies Association*, May 28-31, Kansas City, Missouri, US.
6. Jenn, A. (speaker); Azevedo, I. L., (2013) Do higher fuel efficient vehicles encourage worse driving habits? *Western Energy Policy Research Conference*, September 4-5, Portland, Oregon, US.
7. Jenn, A. (speaker); Azevedo, I. L.; Fischbeck, P., (2013) How do we fund our roads? A case of decreasing revenue from electric vehicles. *Western Energy Policy Research Conference*, September 4-5, Portland, Oregon, US.
8. Jenn, A. (speaker); Azevedo, I. L.; Fischbeck, P., (2013). How will the adoption of electric vehicles affect transportation funding deficits in the United States? *32nd United States Association of Energy Economics*, July 28-31, Anchorage, Alaska, US.
9. Jenn, A. (speaker); Azevedo, I. L.; Gillingham, K., (2013). An empirical study of driving behavior and vehicle rebound effects in Pennsylvania. *Behavior Energy and Climate Change Conference (BECC),* November 20, Sacramento, California, US.
10. Jenn, A. (speaker); Blanco, C.; Chernicoff, W.; Michalek, J.; Azevedo, I. L., (2013). Automotive transition to sustainable technology mix, a response to CAFE standards. *International Symposium on Sustainable Systems and Technology*, May 15-16, Cincinnati, Ohio, US. \*Paper won paper award, 3rd place.=
11. Jenn, A. (speaker); Blanco, C.; Chernicoff, W.; Michalek, J.; Azevedo, I. L., (2013) Trends in future vehicle fleet mix in response to Corporate Average Fuel Economy standards (CAFE) using an optimization construct. *American Association for the Advancement of Science (AAAS)*, February 16, Boston, Massachusetts, US.
12. Lamy, J. (speaker); Azevedo, I. L.; Jaramillo, P., (2013). Integrating wind resources: siting decisions in the Midwest. *32nd United States Association of Energy Economics*, July 28-31, Anchorage, Alaska, US.
13. Meyer, R. (speaker); Azevedo, I. L., (2013). Smart rebates: targeting high-value energy efficiency improvements with smart-meter data. *Behavior Energy and Climate Change Conference (BECC)*, November 20, Sacramento, California, US.
14. Min, J. (speaker); Azevedo, I. L.; Hakkarainen, P., (2013) Analysis of the heat replacement effect (HRE) in residential buildings across the United States. *13th European/International Association for Energy Economics Conference*, August 18-21, Dusseldorf, Germany.
15. Peña, I. (speaker); Azevedo, I. L.; Ferreira, M., (2013). Economic analysis on the profitability of wind in Portugal between 1992-2010. *13th European/International Association for Energy Economics Conference*, August 18-21, Dusseldorf, Germany.
16. Peña, I. (speaker); Azevedo, I. L.; Ferreira, M., (2013). Economic analysis on the profitability of wind in Portugal between 1992-2010. *International Energy Workshop, IEA*, June 19-21, Paris, France.
17. Popova, O. H.; Small, M. J.; Thomas, A. C.; McCoy, S.; Karimi, B.; Rose, S. (2013). Spatial stochastic modeling of sedimentary formations to assess CO2 storage potential: A case study for the Pennsylvania part of the Appalachian Basin. *Annual AAPG Convention*, May 19-22, Pittsburgh, Pennsylvania, US.

**2014**

1. Azevedo I. L. (speaker), (2014). Keep it simple to keep it cool: understanding the performance of energy and climate forecasts. *INFORMS*, November 9-12, San Francisco, California, US.
2. Jenn, A. (speaker); Azevedo, I. L.; Michalek, J. J., (2014) Be careful what you ask for: how corporate average fuel economy incentivizing alternative fuel vehicles leads to higher carbon emissions. *The International Symposium on Sustainable Systems and Technology (ISSST 2014)*, May 18-21, Oakland, California, US.
3. Jenn, A.; Azevedo I. L., (speaker); Gillingham, K., (2014). An empirical study of driving behavior and vehicle rebound effects in Pennsylvania. *Industry Studies Association*, May 27-30, Portland, Oregon, US.
4. Lam, L., Azevedo, I.L., Branstetter, L., (2014). The unsustainable rise of the Chinese wind turbine manufacturing industry. NBER conference on The Economics of Environmental Protection, February 14-15, China.
5. Min, J. (speaker); Azevedo I. L.; Hakkarainen, P., (2014) Assessing regional differences in lighting heat replacement effects in residential buildings in the United States. *The International Symposium on Sustainable Systems and Technology (ISSST 2014),* May 18-21, Oakland, California, US. \*Paper won paper award, 2nd place.
6. Posen, I. D. (speaker); Griffin, W. M.; Matthews, H. S.; Azevedo, I. L., (2014) Greenhouse gas mitigation benefits of expanding US biofuel incentives to promote biomass use in chemical feedstocks. *Technology, Management and Public Policy Graduate Consortium*, June 23-25, Lisbon, Portugal.
7. Posen, I. D. (speaker); Griffin, W. M.; Matthews, H. S.; Azevedo, I. L., (2014) Greenhouse gas mitigation benefits of expanding US biofuel incentives to promote biomass use in chemical feedstocks. *The International Symposium on Sustainable Systems and Technology (ISSST 2014)*, May 18-21, Oakland, California, US.
8. Tong, F. (speaker); Jaramillo, P.; Azevedo, I. L., (2014). A comparison of air emissions from natural gas pathways for road transportation. *4th Annual Energy Policy Research Conference*, September 4-5, San Francisco, California, US.
9. Tong, F. (speaker); Jaramillo, P.; Azevedo, I. L., (2014). A comparison of air emissions from natural gas pathways for road transportation. *American Society of Civil Engineers (ASCE) Shale Energy Engineering Conference 2014*, July 20-23, Pittsburgh, Pennsylvania, US.
10. Tong, F. (speaker); Jaramillo, P.; Azevedo, I. L., (2014). A comparison of air emissions from natural gas pathways for road transportation. *37th International Association for Energy Economics (IAEE) International Conference*, June 15-18, New York City, New York, US.
11. Tong, F.; Jaramillo, P. (speaker); Azevedo, I. L., (2014) A comparison of air emissions from natural gas pathways for road transportation. *The International Symposium on Sustainable Systems and Technology (ISSST 2014)*, May 18-21, Oakland, California, US.

**2015**

1. Glasgo, B. (speaker); Azevedo, I. L.; Hendrickson, C., (2015). Understanding the potential for electricity savings and assessing feasibility of a transition towards DC powered buildings. *The 33rd United States Association for Energy Economics (USAEE)/International Association for Energy Economics (IAEE) North American Conference,* October 25-28, Pittsburgh, Pennsylvania, US. (Poster Presentation –\*won best poster award)
2. Glasgo, B. (speaker); Azevedo, I. L.; Hendrickson, C., (2015). Understanding the potential for electricity savings and assessing the feasibility of a transition towards DC powered buildings using real load data. *Engineering Sustainability 2015: Innovation and the Triple Bottom Line, sponsored by the Mascaro Center for Sustainable Innovation and the Steinbrenner Institute for Environmental Education and Research*, April 19-21, Pittsburgh, Pennsylvania, US.
3. Griffin, W. M., (2015). Role of Uncertainty in LCA: Evaluation of Corn Ethanol and Biodiesel GHG. *Emissions Argonne National Laboratory*, October 27, Argonne, Illinois, US.
4. Horner, N.C. (speaker); Azevedo, I. L., (2015) Energy efficiency in data centers: moving beyond PUE. *World Sustainable Energy Days Young Researchers Conference in Energy Efficiency*, February 25-27, Wels, Austria.
5. Kaack, L. H. (speaker); Apt, J.; Morgan, M. G.; Sherwin, E. D.; Azevedo, I. L., (2015). Introducing probability into energy forecasting. *The 33rd United States Association for Energy Economics (USAEE)/International Association for Energy Economics (IAEE) North American Conference*, October 25-28, Pittsburgh, Pennsylvania, US.
6. Lamy, J. (speaker); Azevedo, I. L.; Bruine de Bruin, W.; Morgan, M. G., 92015). Valuing NIMBY concerns about wind farms in Massachusetts. *Behavior Energy & Climate Change Conference (BECC)*, October 18-24, Sacramento, California, US.
7. Lamy, J. (speaker); Azevedo, I. L.; Jaramillo, P.; Wiser, R., (2015). Optimal wind farm siting decisions in the Midwest. *The 33rd United States Association for Energy Economics (USAEE)/International Association for Energy Economics (IAEE) North American Conference,* October 25-28, Pittsburgh, Pennsylvania, US.
8. Markolf, S. (speaker); Matthews, H. S.; Azevedo, I. L.; and Hendrickson, C. T., (2015). The implications of climatic temperature change and population growth on metropolitan greenhouse gas emissions. *The Association of Environmental Engineering and Science Professors (AEESP) Research and Education Conference*, June 13-16, New Haven, Connecticut, US.
9. Markolf, S. (speaker); Matthews, H. S.; Azevedo, I. L.; and Hendrickson, C. T., (2015). The implications of population growth on climate action planning at the metropolitan level. *Engineering Sustainability 2015: Innovation and the Triple Bottom Line, sponsored by the Mascaro Center for Sustainable Innovation and the Steinbrenner Institute for Environmental Education and Research*, April 19-21, Pittsburgh, Pennsylvania, US.
10. Markolf, S. (speaker); Matthews, H. S.; Azevedo, I. L.; Hendrickson, C. T., (2015). The implications of climatic temperature change and population growth on metropolitan greenhouse gas emissions. *International Symposium on Sustainable Systems and Technology (ISSST)*, May 18-20, Dearborn, Michigan, US.
11. Seki, S.M. (speaker); Griffin, W. M.; Michalek, J. J.; Azevedo, I. L.; Hendrickson, C., (2015). An evaluation of potential Natural Gas to Liquid Fuel (NGLF) production processes with an estimate of cost in Pennsylvania. *International Symposium on Sustainable Systems and Technology (ISSST)*, May 18-20, Dearborn, Michigan, US.
12. Sergi, B. (speaker); Azevedo, I. L.; Davis, A., (2015). The impact of climate change and air pollution information on support for CO2 emissions regulations. *The 33rd United States Association for Energy Economics (USAEE)/International Association for Energy Economics (IAEE) North American Conference*, October 25-28, Pittsburgh, Pennsylvania, US.
13. Sherwin, E. D. (speaker); Azevedo, I. L.; Henrion, M., (2015). US energy surprises have become more frequent: retrospective analysis of US energy forecasts. *The 33rd United States Association for Energy Economics (USAEE)/International Association for Energy Economics (IAEE) North American Conference*, October 25-28, Pittsburgh, Pennsylvania, US.
14. Tong, F. (speaker); Jaramillo, P.; Azevedo, I. L., (2015). Spatial analysis of air quality impacts from using natural gas for road transportation. *The 33rd United States Association for Energy Economics (USAEE)/International Association for Energy Economics (IAEE) North American Conference*, October 25-28, Pittsburgh, Pennsylvania, US.
15. Tong, F. (speaker); Jaramillo, P.; Azevedo, I. L., (2015). The benefits of using natural gas for road transportation – a county-level analysis of reduced criteria air pollutants from natural gas use for light-duty and heavy-duty vehicles. *International Symposium on Sustainable Systems and Technology (ISSST),* May 18-20, Dearborn, Michigan, US.
16. Tong, F.; Jaramillo, P. (speaker); Azevedo, I. L., (2015). The benefits of using natural gas for road transportation – a county-level analysis of reduced criteria air pollutants from natural gas use for light duty and heavy-duty vehicles. *8th Conference of the International Society for Industrial Ecology,* July 7-10, Guildford, United Kingdom.

**2016**

1. Glasgo, B. (speaker); Azevedo, I. L.; Hendrickson, C., (2016) Assessing the value of information in residential building simulation. *The International Symposium on Sustainable Systems and Technology (ISSST 2016),* May 16-18, Phoenix, Arizona, US.
2. Griffin, W. M., (2016) Should PA Subsidize Natural Gas? *House Democratic Policy Committee*, March 21, Harrisburg, Pennsylvania, US.
3. Horner, N.; Azevedo, I. L.; Sicker, D.; Agarwal, Y, (2016). Dynamic data center load response to variability in private and public electricity costs. *IEEE International Conference on Smart Grid Communications*, November 6-9, Sydney, Australia.
4. Tong, F. (speaker); Jaramillo, P.; Azevedo, I. L., (2016). Spatial analysis of air quality impacts from using natural gas for road transportation. *The International Symposium on Sustainable Systems and Technology (ISSST 2016)*, May 16-18, Phoenix, Arizona, US.
5. Tong, F. (speaker); Jaramillo, P.; Azevedo, I.L., (2016). Spatial analysis of air quality impacts from using natural gas for road transportation. *American Association for the Advancement of Science (AAAS) Annual Meeting 2016*, February 11-15, Washington DC, US.

**2017 – 2018**

* (N/A)

**2019**

1. Bruine de Bruine, W (2019). *Speaking engagement at US National Press Foundation’s Paris Accords of Science Communication*. US National Press Foundation’s Paris Accords of Science Communication. Paris, France.
2. Bruine de Bruin, W. (2019). *Wandi Bruine de Bruin delivers keynote address at Estonian Association of Social Scientists Conference*. Estonian Association of Social Scientists Conference. University of Tartu, Tartu, Estonia
3. Bruine de Bruin, W. (2019). *Wandi Bruine de Bruin speaking engagement at BX Arabia, The Arab Summit on Behavioral Economics and Nudging*. The Arab Summit on Behavioral Economics and Nudging. Nudge Lebanon, École Supérieure des Affaries, Beir.

**2020**

* N/A

**Book Chapters**

**2010**

1. Morgan, M. G., (2010) Chapter 19, Technology and Policy. *Holistic Engineering Education: Beyond Technology.* Grasso, D. and Burkins, M. (eds.), Springer, 271-282.

**2011**

1. Boyle, M.; Dowlatabadi, H., (2011). Anticipatory Adaptation in Marginalized Communities Within Developed Countries. *Climate Change Adaptation in Developed Nations: From Theory to Practice*, Ford, D. J.; Berrang-Ford, L., Eds. Springer Netherlands: Dordrecht, 461-473.
2. Cook, C. L.; Dowlatabadi, H., (2011). Learning Adaptation: Climate-Related Risk Management in the Insurance Industry. *Climate Change Adaptation in Developed Nations: From Theory to Practice*, Ford, D. J.; Berrang-Ford, L., Eds. Springer Netherlands: Dordrecht, 255-265.
3. Morgan, M. G., (2011). Chapter 7, Technically Focused Policy Analysis. *The Science of Science Policy: A Handbook*. Husbands-Fealing, K., Lane, J., Marburger III, J. and Ship, S. (eds.), Stanford University Press, 120-130.

**2012**

1. Morgan. M. G.; McCoy, S.; and 15 others, (2012). Carbon Capture and Sequestration: Removing the legal and regulatory barriers. RFF Press/Routledge, New York, 274

**2013**

1. Seybolt, T.; Aronson, J.; Fischhoff, B., (2013). Counting civilian casualties: An introduction to recording and estimating nonmilitary deaths in conflict. Oxford: Oxford University Press

**2014**

1. Apt, J.; Jaramillo, P.; and 19 others, (2014) Variable Renewable Energy and the Electricity Grid. *RFF Press/Routledge*, New York.
2. Doney, S.; Rosenberg, A. A.; Alexander, M.; Chavez, F.; Harvell, C. D.; Hofmann, G.; Orbach, M.; Ruckelshaus, M., (2014) Climate Change Impacts in the United States: The Third National Climate Assessment. *U.S. Global Change Research Program*, 557-578.
3. Walsh, J.; Wuebbles, D.; Hayhoe, K.; Kossin, J.; Kunkel, K.; Stephens, G.; Thorne, P.; Vose, R.; Wehner, M.; Willis, J.; Anderson, D.; Doney, S.; Feely, R.; Hennon., P.; Kharin, V.; Knutson, T.; Landerer, F.; Lenton, T.; Kennedy, J.; Somerville, R., (2014) Climate Change Impacts in the United States: The Third National Climate Assessment. *U.S. Global Change Research Program*, 19-67
4. Wilhelms, E. A.; Reyna, V. F., (2014). Individual differences in decision-making competence across the lifespan. *Neuroeconomics, Judgment and Decision Making*, New York: Psychology Press, 219-236.

**2015**

* N/A

**2016**

1. Donahue, N. M.; Posner, L. N.; Westervelt, D. M.; Li, Z.; Shrivastava, M.; Presto, A. A.; Sullivan, R. C.; Adams, P. J.; Pandis, S. N.; and Robinson, A. L., (2016). Where did this particle come from? Sources of particle number and mass for human exposure estimates. *Issues in Environmental Science and Technology*, Royal Society of Chemistry, 35-71.
2. Griffin, W. M.; Saville, B. A.; MacLean, H. L., (2016). Ethanol Use in the United States: Status, Threats and the Potential Future. *Global Bioethanol,* Academic Press, 34-62.
3. Saville, B. A.; Griffin, W. M.; MacLean, H. L., (2016). Ethanol Production Technologies in the US: Status and Future Developments. *Global Bioethanol,* Academic Press, 163-180.

**2017**

1. Morgan, M. G. (2017). *Theory and practice in policy analysis*. Cambridge University Press.

**2018-2020**

* N/A

**Reports**

**2010**

1. Jacob, C.; McDaniels, T., (2010). Responding To Climate Change: Sockeye salmon, fishing and the St’at’imec People. *Mitigation and Adaptation Strategies for Global Change.*
2. Lau, K.; Dowlatabadi, H., (2010). British Columbia’s Carbon Neutral Government: A Critical Evaluation. *University of British Columbia*
3. Moreno-Cruz, J.; Smulders, S., (2010). Geoengineering: Revisiting the Economics of Climate Change. *University of Calgary, Energy and Environmental Systems Group and Economics Department.*
4. Zickfield, K.; Morgan, M. G,; Frame, D.; Keith, D. W., (2010). Expert Judgments about Transient Climate Response to Alternative Trajectories of Radiative Forcing. *Proceedings of the National Academy of Science.*

**2011-2012**

* N/A

**2013**

1. Azevedo, I. L., (2013). Contributor to “Managing Variable Energy Resources to Increase Renewable Electricity’s Contribution to the Grid – A Policy Maker Guide”. *Report from the Wilton Scott Institute for Energy Innovation, Carnegie Mellon University*.
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