

Lawrence Gottschamer
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EDUCATION

2011 – present

Graduate student, Department of Civil and Environmental engineering at USF. Research interests include renewable energy transition, renewable energy in developing nations, systems analyses of sustainability, sustainable and green engineering, circular economy. GPA – 3.33.

1998

Bachelor of Science, Aeronautical Science. Embry-Riddle Aeronautical University. Minor in aviation meteorology, aviation safety. Summa Cum Laude – GPA 3.9.

PUBLICATIONS:

2018

J. Walters, J. Kaminski, L. Gottschamer. Beyond economics: a systems analysis of factors influencing household solar PV adoption. *Sustainability*, 10(4),1257; <https://doi.org/10.3390/su10041257>.

2016

L. Gottschamer, Q. Zhang, Interactions of factors impacting implementation and sustainability of renewable energy sourced electricity, *Renewable and Sustainable Energy Reviews*. 65, 164–174. doi:10.1016/j.rser.2016.06.017.

PRESENTATIONS:

2018- International Systems Dynamic Conference PhD Colloquium – Reykjavik, Iceland. *Energy Transition Dynamics: Electricity generation capacity modeling and missing feedback loops*. (Poster presentation).

2017- Invited speaker, University Rennes 1, Rennes France. Jan 26. *The energy transition to renewables: A systems perspective*.

2016- Invited speaker, International Systems Dynamic Conference PhD Colloquium – Delft, Netherlands. July 17. *Technological lock-in and the implications for an energy transition*.

2015- International System Dynamic Society PhD colloquium – Boston, U.S.A.: *Interaction of factors impacting renewable energy implementation and sustainability in developing nations* (Poster presentation).

Graduate Student and Postdoctoral Research Symposium- USF, Tampa: *Interactions of factors impacting renewable energy implementation and sustainability in developing nations* (Poster presentation).

2014- International System Dynamic Society PhD colloquium - Delft, Netherlands: *System dynamic research on factors impacting the success of renewable energy projects in developing nations* (Poster presentation).

Graduate Student and Postdoctoral Research Symposium- USF, Tampa: *System dynamic research on factors impacting the success of renewable energy projects in developing nations* (Poster presentation).

Graduate Student Interdisciplinary Seminar Series- USF, Tampa: *System dynamic research on factors impacting the success of renewable energy projects in developing nations*.

2013- USF Global Governance & Sustainable Communities, Global Communities Interdisciplinary Conference- USF, Tampa: *Barriers to renewable energy implementation in developing nations: A review and synthesis*.

TEACHING

2018- 2018- 2019 USF Honors College Engineering Capstone course (IDH 4970). Course is designed to explore sustainable engineering by examining economic, policy, and societal factors critical to successful project outcomes.

2017- Teaching assistant, USF College of Civil and Environmental Engineering, Numerical and Computer Tools II (EGN 4454).

2016- Teacher, Hillsborough County School District (Gaither High School, Tampa FL). Taught sustainable engineering classes. Students were challenged to think about engineering holistically, by including life cycle analysis of product design, integrating green engineering concepts, and including societal factors influential on project success.

2015- Teaching assistant, USF College of Civil and Environmental Engineering, Numerical and Computer Tools II (EGN 4454).

LEADERSHIP

2016 - 2018.
Student chapter president, System Dynamics Society.

2017- Co-organizer International System Dynamics Conference PhD Colloquium – Boston, U.S.A. July 16

2016- Co-chair International System Dynamics Conference PhD Colloquium – Delft, Netherlands. July 17.

2014- 2015
Co-organizer of USF Graduate Student Interdisciplinary Seminar Series.

MENTORSHIP

2015 - Providing feedback and mentoring for 8th grade STEM students on their capstone project. Grecco middle school, Hillsborough county FL.

Ad Hoc reviewer-

International System Dynamics Society
Energy Technology & Policy