

Erick C. Jones

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1. Education and Employment History

1.1 Education

- Current Ph.D., Operations Research and Industrial Engineering, University of Texas, Austin, TX
 Advisor: Benjamin Leibowicz, Concentration: Food, Energy, Water Systems
- May 2019 M.S., Operations Research and Industrial Engineering, University of Texas, Austin, TX
 Advisor: Benjamin Leibowicz
- May 2014 B.S., Chemical Engineering, Texas A&M University, College Station, TX
 Minor: Petroleum Engineering

1.2 Research & Academic Appointments

- 2017- *Graduate Research Assistant*, Operations Research and Industrial Engineering
- 2019- *Fellow*, National Science Foundation: National Research Trainee
- 2018-2019 *Fellow*, National GEM Fellowship Program
- 2018-2019 *Module Developer*, Planet Texas 2050, University of Texas
- 2009-2014 *Undergraduate Research Assistant*, Chemical Engineering, Texas A&M University

1.3 Industry and Non-Profit Positions

- 2020 *Researcher*, Texas Energy Poverty Research Institute, Austin, TX
- 2020 *CRANE Fellow*, Prime Coalition, Remote
- 2015-2017 *Project Engineer*, Johnson Controls, Houston, TX
- 2015-2017 *Project Engineer*, Johnson Controls, Houston, TX
- 2014-2015 *Process Engineer*, AMEC Foster Wheeler, Houston, TX
- 2012 *Engineer Intern*, HDL Power, Brenham, TX
- 2011 *Engineer Intern*, PWD Group, Queretaro, Mexico

1.4 Professional Development

1.4.1 Teaching Activities

- Grader*, Engineer Your World, University of Texas, 2018-
- Teaching Assistant*, Engineering Finance, Mechanical Engineering, 2018-2019
- Scientist in Residence*, Science in Residence, University of Texas, 2018-2019
- Teaching Assistant*, Fluids Lab, Mechanical Engineering, Spring 2018
- Teaching Assistant*, Fluids, Mechanical Engineering, Fall 2017

1.4.2 Conferences

- Energy Week 2020*, University of Texas at Austin, Austin, TX, November 12-14th, 2019
- Poster Session*: Co-Optimizing Distributed Energy, Water, and Transportation:

An Optimization-Based Decomposition Approach
Graduate and Industry Networking Event, Austin, TX, February 4th, 2020.
Poster Session: Building a Sustainable Future: Co-Optimizing Community Energy and Water, Transportation and Power
Texas Energy Summit, TEES Energy Systems Labs, Austin, TX, November 12-14th, 2019
Poster Session: Building a Sustainable Future: Co-Optimizing Community Energy and Water, Transportation and Power
GEM Conference, The GEM Foundation, Los Angeles, California, September 13-15th, 2018.
Poster Session: The Role of SAVs in Climate Change Mitigation
Lecture Session: The Role of SAVs in Climate Change Mitigation
Graduate and Industry Networking Event, Austin, TX, February 5th, 2019.
Poster Session: The Role of SAVs in Climate Change Mitigation

1.4.3 Workshops

AGEP Research Exchange, Berkeley, California, 2019
3 Minute Thesis, Austin, Texas, 2019

2.1 Awards, Recognition, and Service

2.1 University Level

Operations Research and Industrial Engineering Grant, University of Texas, 2017-2020.
Artie McFarren Department of Chemical Engineering Scholarship, Texas A&M University, 2012
12th Man Kickoff Team Scholarship, Texas A&M University, 2012
Distinguished Student Award for Outstanding Academic Achievement, Texas A&M University, 2011.
Dwight Look Engineering College Scholarship, Texas A&M University, 2010

Vice President, Graduate Engineering Council, University of Texas, 2019-
Relations Chair, Institute for Operations Research and the Management Sciences, University of Texas, 2019-
Program Developer, Planet Texas 2050, University of Texas, 2018-2019
Program Chair, National Society of Black Engineers, Texas A&M University, 2010-2014

2.2 National Level

National Science Foundation Louis Stokes Alliance for Minority Participation Scholarship, 2013

2.3 City/Community Level

Volunteer, Urban Roots Farm, Austin, Texas, 2019-2020
Volunteer, United Way, Houston, Texas, 2014-2017
Volunteer, Baker Ripley, Houston, Texas, 2016-2017
Volunteer, Big Brother Big Sister, Houston, Texas, 2014-2017

3.0 Scholarly Accomplishments

3.1 Refereed Journal Articles in Print

1. Erick Jones and Benjamin Leibowicz “*Contributions of Shared Autonomous Vehicles to Climate Change Mitigation*”, Transportation Research Part D: Transport and Environment, v. 72, 2019, pg. 279-298, 1361-9209, DOI: 10.1016/j.trd.2019.05.005.
2. Juan C. Burgos, Erick Jones, and Perla B. Balbuena “*Dynamics of Topological Defects in Single-Walled Carbon Nanotubes during Catalytic Growth*”, The Journal of Physical Chemistry C 2014 118 (9), 4808-4817 DOI: 10.1021/jp412708h
3. Juan C. Burgos, Erick Jones, and Perla B. Balbuena “*Effect of the Metal–Substrate Interaction Strength on the Growth of Single-Walled Carbon Nanotubes*”, The Journal of Physical Chemistry C 2011 115 (15), 7668-7675 DOI: 10.1021/jp200919j