



## JOSHUA A. HENRY

President, GO Lab

Dr. Henry has worked continuously as a physical chemist for over 15 years, the last 9 of those years in the state of Maine. Despite teaching at four different primarily teaching colleges in the state over that period, he has maintained his involvement in research focusing on advancing renewable energy and energy conservation technologies. He has taught university level courses on introductory chemistry, thermodynamics, quantum mechanics, materials chemistry and advanced laboratory techniques.

In 2016 Dr. Henry left the chemistry department at the University of Maine to start GO Lab with Matthew O'Malia and Alan Gibson, founding partners of GO Logic LLC, a nationally-recognized firm focusing on ultra-energy efficient design and construction.

### EDUCATION

September 2005

M.A., Physical Chemistry

Ph.D., Physical Chemistry (minor  
Material Science)

Cornell University

June 2000

B.A., Chemistry, Magna Cum Laude  
Carleton College

### PROFESSIONAL EXPERIENCE

2016-present

President

GO Lab

2017

Associate Member of the Laboratory for  
Surface Science and Technology  
University of Maine at Orono

2015-present

Director of Research and Development  
GO Logic LLC, Belfast, ME

2014, 2016

Assistant Professor  
University of Maine at Orono

2014-present

Research Engineer (METEL)  
Maine Maritime Academy  
Casco, ME

2014-present

Environmental Technology Board  
Member  
Maine Technology Institute

2008-2013

Bates College, Lewiston, ME  
Visiting Assistant Professor of Chemistry

### SELECTED GRANTS, HONORS AND AWARDS

- 2018 EPA SBIR Phase I (GO Lab) (\$100,000)
- 2017 Big Gig Pitch Competition, Winner (\$1,750)
- 2016 National Science Foundation Materials Research Fund (\$381,585)  
"Acquisition of a Gas Chromatography Triple Quadrupole Mass Spectrometer for Research and Teaching at Maine Maritime Academy"
- 2016 UMaine Research Reinvestment Fund (\$98,776)  
"Layer-by-layer fabrication of Thermoelectric Films Using Polymerized Bismuth-Telluride Nanoparticles to Yield High-Efficiency Thermoelectric Generators for Marine Applications."
- 2016 Maine Technology Institute Seed Grant (\$24,840)  
"Development and Testing of a Wood-Based Exterior Insulation Board."
- 2010 Bates Faculty Development Grant (\$10,000)
- 2007 NSF International Postdoctoral Fellowship (\$134,000)  
"Harvesting Photon-Induced Excitations in Nanoparticles for Biological and Environmental Applications"

### SELECTED TALKS AND LECTURES

- 2018 "Wood fiber insulation and the Maine Forest Economy,"  
Maine Wood + Sustainability Conference, Hannaford  
Hall Abromson Center, Portland, Maine.
- 2018 "High and Low Rise Construction Systems, Materials and the Future," The  
New England Passive House Multifamily Conference, Kensington, NH.
- 2014 "Making a Dent on Fossil Fuels: What is it Going to Take?," Northeast  
Biomass Heating Expo, Portland Civic Center, Portland, Maine
- 2012 "Incorporating the Energy Crisis into the Undergraduate  
Curriculum," American Association of Physics Teachers (AAPT)  
Annual Conference, University of Pennsylvania, Philadelphia, PA.
- 2012 "Infrared Spectroscopy and the Efficiency of Nanoparticle  
Photovoltaic Devices," Middlebury College, Middlebury, VT.
- 2010 "Infrared Characterization of Trioctylphosphine Oxide  
(TOPO)," University of Maine, Orono, ME
- 2005 "Chemical Control of Microresonators: The role of Surface Chemistry,"  
65th Annual Physical Electronics Conference, Madison, WI
- 2004 "Chemical Control of Microresonators: The role of Surface Chemistry,"  
American Vacuum Society 51st International Symposium, Anaheim, CA
- 2003 "Controlling Energy Losses in Nanoscale Structures with Surface Chemistry,"  
American Vacuum Society 49th International Symposium, Denver, CO