

Aaron P. Godfrey

COMMUNITY INVOLVEMENT:

Member, Central Committee, Cuyahoga County Democratic Party

Member, Executive Committee, Cuyahoga County Democratic Party

Member, Cuyahoga County Progressive Caucus

Deputy Treasurer, Western Cuyahoga County Democrats PAC

Member, Board of Directors, Happy Trails Farm Animal Sanctuary

Volunteer, Friendship Animal Protective League

Outings Chair, Sierra Club Ohio Chapter

EDUCATION:

Miami University, Oxford, Ohio: Master of Science in Physics, 2010.

Miami University, Oxford, Ohio: Bachelor of Arts, Physics, 2008.

PROFESSIONAL HIGHLIGHTS:

ZIN Technologies, Inc. / NASA Glenn Research Center (GRC)

Middleburg Heights, OH (2016-Present)

Physicist II

Kratos Defense and Security Solutions / US Naval Surface Warfare Center - Dahlgren Division (NSWCDD)

Dahlgren, VA (2014-2017)

Engineer

Lorain County Community College

Elyria, OH (2013-2014)

Adjunct Faculty

Energizer Household Products

Westlake, OH (2012-2013)

Senior Technologist

PROFESSIONAL PUBLICATIONS:

- WK Thompson, CA Gallo, BE Lewandowski, RK Huffman, BT Humphreys, **AP Godfrey**, D Frenkel & JK DeWitt (2018) *Estimation of Lower-body Kinetics from Loading Profile and Kinematics Alone, Without Measured Ground Reaction Forces*. To be published in proceedings for International Conference on Environmental Systems 2018, ABQ, NM
- WK Thompson, CA Gallo, BT Humphreys, **AP Godfrey**, KM Jagodnik, JK DeWitt & BE Lewandowski (2018) *Effect of loading configuration on kinematics and kinetics for the deadlift and squat exercises: a case study in modeling an exercise countermeasure device for astronauts*. In review.
- WK Thompson, RK Huffman, CA Gallo, JK DeWitt, BT Humphreys, **AP Godfrey**, D Frenkel & BE Lewandowski (2018) *Estimation of kinetics from exercise device load information and kinematics only*. Presented at the NASA Human Research Program (HRP) Investigator's Workshop (IWS).
- CA Gallo, WK Thompson, **AP Godfrey**, BE Lewandowski & JK DeWitt (2018) *Influence of load profile on*

biomechanics of the squat and deadlift. Presented at the NASA HRP IWS.

- **AP Godfrey**, BT Humphreys, J Funk, G Perusek & BE Lewandowski (2017) *MPCV Exercise Operational Volume Analysis*. Presented at NASA HRP IWS.
- Helms JA, IV, **A Godfrey**, T Ames & ES Bridge (2017) *Dining with Purple Martins: What's on the menu for North America's most popular insect hunter?* Purple Martin Update 26:22-25.
- Helms JA, IV, **A Godfrey**, T Ames & ES Bridge (2016) *Predator foraging altitudes reveal the structure of aerial insect communities*. Scientific Reports 6:286470.
- Helms JA, IV, **A Godfrey**, T Ames & ES Bridge (2016) *Are invasive fire ants kept in check by native aerial insectivores?* Biology Letters 12:20160059.
- Helms JA, IV & **A Godfrey** (2016) *Dispersal Polymorphisms in Invasive Fire Ants*. PLOS ONE 11:e0153955.
- Helms JA, IV, **A Godfrey**, T Ames & ES Bridge (2015) *Fire Ant Exterminators: Purple Martins and aerial pest control*. Purple Martin Update 24:24-27.