**TYLER E. CULP**

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**EDUCATIONAL HISTORY**

**The Pennsylvania State University, Department of Chemical Engineering, Ph.D. Student 2015-present**

Advisors: Dr. Enrique Gomez & Dr. Manish Kumar

GPA: 3.82/4.0

**Syracuse University, College of Engineering and Computer Science, B.S. Chemical Engineering 2011- 2015**

Graduated cum laude; Dean’s list 2011, 2012, 2013, 2014

**RESEARCH EXPERIENCE**

**Doctoral project:**

* Currently works in conjunction with advisors and The Dow Chemical Company’s Water and Process Solutions division, Dow FILMTEC™, to perform morphological characterization research of reverse osmosis and nanofiltration membranes

**Undergraduate experience:**

* Research assistant, Heterogeneous catalysis & biofuel production (Bond Lab), Syracuse University, 01/2015-05/2015
* Research assistant, Combustion & Energy Research Laboratory (COMER, Ahn Lab), Syracuse University, 08/2011-12/2014

**PUBLICATIONS**

1. Falkenstein-Smith, R., Zeng, P., **Culp, T.** & Ahn, J. Thermal Transpiration Based Propulsion. *ASME 2014 International Mechanical Engineering Congress and Exposition*, pp. V06AT07A006-V06AT07A006 (2014).

**CONFERENCE PRESENTATIONS**

1. Falkenstein-Smith, R., Zeng, P., **Culp, T.** & Ahn, J. Thermal Transpiration Based Propulsion. American Society of Mechanical Engineers International Mechanical Engineering Congress and Exposition, Montreal, QC, Canada, November 2014.

**PROFESSIONAL MEMBERSHIPS, SERVICE AND ACTIVITIES**

1. Teaching Assistant (Ch E 220, Chemical Engineering Thermodynamics), Penn State, Spring 2016
2. Registered user of the Advanced Light Source at Lawrence Berkeley National Laboratory in Berkeley, CA