



Alex Josephson

Dept. / Major: *Brigham Young University, Chemical Engineering*

Field of Study: *Combustion Engineering*

Year in School: *Second Year Grad Student*

Degree Being Pursued: *PhD Chemical Engineering*

Date Expected: *April 2017*

Academic Advisor: *David Lignell, Assistant Professor*

Email: *josephson.alex@gmail.com*

Degree(s) held: *BS Bioresource and Science Engineering – University of Washington*

Field(s) of Interest: *Combustion, Soot Formation, Coal & Biomass Secondary Pyrolysis, Uncertainty Quantification, Pulp & Paper*

Planned Years in the PSAAP II Program: *Four*

Year in the PSAAP II Program: *Second*

Description of Your Work/Project Within PSAAP II: *Soot Formation Modeling*

NNSA Laboratory Visit Information: *None*

Selected Publications: *None*

A.J. Josephson, D.O. Lignell, "Soot Formation and Secondary Pyrolysis in Oxy-Coal Combustion with Large-Eddy Simulation," 2015 AIChE Annual Meeting, November 8-13, 2015, Salt Lake City, Utah, United States.

A.J. Josephson, D.O. Lignell, "Simulating soot formation in oxy coal combustion using large-eddy simulation," Western States Section of the Combustion Institute Fall 2015 Meeting, October 5-6, 2015, Provo, Utah, United States.

A.J. Josephson, B.J. Isaac, D.O. Lignell, T.H. Fletcher, "Large eddy simulation of an oxy-coal combustor," 9th Meeting of the U.S. Joint Sections of the Combustion Institute, May 17-20, 2015, Cincinnati, Ohio, United States.

D.O. Lignell, B.J. Isaac, A. Josephson, T.H. Fletcher, J. Thornock, "Large eddy simulation of soot formation in an oxy-coal combustor," 15th International Conference on Numerical Combustion, April 19-22, 2015, Avignon, France.

Date Updated: *November 10, 2015*