

EXHIBIT 1

James Jamal Thomas III

CONTACT INFORMATION	11101 W 120th Ave, Suite 400 Broomfield, CO 80021	<i>Work:</i> (303) 439-4273 <i>E-mail:</i> James.Thomas@res-group.com
CITIZENSHIP	USA	
EDUCATION	Georgia Institute of Technology PhD in Electrical and Computer Engineering Dissertation Topic: Impact of Power Router Control on Electricity Markets PhD Advisor: Santiago Grijalva Successfully defended dissertation in October 2015 Georgia Institute of Technology MS in Electrical and Computer Engineering Received: December 2013 University of Wisconsin Madison BS in Electrical Engineering Received: May 2011	
WORK EXPERIENCE	Renewable Energy Systems , Broomfield, CO Transmission Planner	January 2016 - Present
	<ul style="list-style-type: none">• Manage interconnection applications for utility-scale renewable energy projects with utilities, independent system operations, and transmission owners• Prospect for potential renewable energy projects	
	Georgia Institute of Technology , Atlanta, GA Graduate Research Assistant	January 2012 - October 2015
	<ul style="list-style-type: none">• Performed research on the integration of power routing technology into power system operation algorithms such as the SCOPF	
	PowerWorld Corporation , Champaign, IL Intern	May 2014 - July 2014
	<ul style="list-style-type: none">• Developed software to verify algorithm changes• Fixed minor bugs	
	We Energies , Milwaukee, WI Valley Power Plant Intern Electrical Engineer	Summer 2008 & 2009
	<ul style="list-style-type: none">• Updated wiring diagrams and schematics• Performed minor plant modifications and troubleshoot equipment	
JOURNAL PUBLICATIONS	Y. Yu, S. Grijalva, J.J. Thomas , L. Xiong, P. Ju, and Y. Min, "Oscillation Energy Analysis of Inter-area Low Frequency Oscillations in Power Systems," in <i>IEEE Transactions on Power Systems</i> , 2015. J.J. Thomas , S. Grijalva, "Flexible Security-Constrained Optimal Power Flow," in <i>IEEE Transactions on Power Systems</i> , 2014. A. Hashmi, A. Nere, J.J. Thomas , and M. Lipasti, "A Case for Neuromorphic ISAs," in <i>Proceedings of the Sixteenth International Conference on Architectural Support for Programming Languages and Operating Systems</i> , 2011.	

CONFERENCE
PUBLICATIONS

J.J. Thomas, J.E. Hernandez, and S. Grijalva, "An Investigation of the Impact of Dispatchable Power Routers on Electricity Markets and Market Participants," in *IEEE Power Energy Society General Meeting*, 2014.

J.J. Thomas, S. Grijalva, "Increasing Transmission Capacity Utilization Using Power Flow Routers," in *IEEE Power Energy Society Transmission and Distribution Conference & Exposition*, 2014.

J.J. Thomas, S. Grijalva, "Power flow router sensitivities for post-contingency corrective control," in *Energy Conversion Congress and Exposition*, 2013.

N. Ainsworth, M. Costley, **J.J. Thomas**, M. Jeziorny, and S. Grijalva, "Versatile Autonomous Smartgrid Testbed (VAST): A flexible, reconfigurable testbed for research on autonomous control for critical electricity grids," in *North American Power Symposium (NAPS)*, 2012.

PRESENTATIONS

Thomas, James Jamal (2010) "Increasing Transmission Capacity Utilization Using Power Flow Routers." Poster presented at IEEE PES Transmission and Distribution Conference & Exposition 2014 in Chicago, IL.

Thomas, James Jamal (2014) "Power flow router sensitivities for post-contingency corrective control," PowerPoint presentation presented at Energy Conversion Congress and Exposition 2013 in Denver, CO.

Thomas, James Jamal (2010) "AIVO." PowerPoint presentation presented at the Undergraduate Symposium at the University of Wisconsin - Madison.

Thomas, James Jamal (2009) "Graphical User Interface for Neural Simulator." Poster presented at the Undergraduate Symposium at the University of Wisconsin - Madison.

TECHNICAL SKILLS

Programming: C, C++, Java, UNIX shell scripting, GNU make, HTML, Qt, Delphi, Visual Basic

Computer Applications: \TeX , gedit, mosek, Microsoft Office, PowerWorld, LabVIEW, MATLAB

Computer-Aided Design: Cadence OrCAD, Quartus, NI Multisim

REFERENCES

Available upon request