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### **Education and Training**

B.S. in Electrical Engineering, University of Tennessee, Knoxville, '12  
M.S. in Electrical Engineering with a focus in Power Systems, University of Tennessee,  
Knoxville, '14

### **Research and Professional Experience**

present Research and Development Associate, Power and Energy Systems Group, Oak Ridge  
National Laboratory, Oak Ridge, TN  
'13-'14 Graduate Research Assistant at University of Tennessee, Knoxville  
'09-'13 Part-time System Operator at Clinton Utilities Board

### **Publications**

#### *Journals and conferences*

- **Ollis, Thomas Benjamin**, "Development of a Testing Platform for Secondary-Use Electric Vehicle Batteries as Community Energy Storage Systems. " Master's Thesis, University of Tennessee, 2014. [http://trace.tennessee.edu/utk\\_gradthes/2774](http://trace.tennessee.edu/utk_gradthes/2774)
- M. Starke, P. Irminger, **B. Ollis**, G. Andrews, O. Onar, P. Karlson, P. Valencia, S. Massin, A. Goodson, P. Rosenfeld, "Community Energy Storage with Secondary Use EV/PHEV Batteries," TechConnect 2014. (Accepted.)
- M. Starke, J. Nutaro, P. Irminger, **B. Ollis**, T. Kuruganti, D. Fugate, "Integration of Photovoltaics into Building Energy Usage through Advanced Control of Rooftop Units," 3rd International High Performance Buildings Conference at Purdue, July 14-17, 2014.
- Philip Irminger, Michael R. Starke, **T. Ben Ollis**, Dan King, Christine Labaza, Pablo Valencia, Peter Karlson, Seelan Thambiappah, Karl Parn, Sebastien Massin, "Demand Charge Reduction, Power Factor Control, and Other Functions Using Secondary Use Batteries," Advanced Automotive Battery Conference (AABC), June 2015. (Accepted)
- B. Xiao, K. Prabakar, M. Starke, G. Liu, K. Dowling, **B. Ollis**, P. Irminger, Y. Xu, and A. Dimitrovski, "Development of hardware-in-the-loop microgrid testbed," to be published in *Proc. IEEE Energy Conversion Congress and Exposition (ECCE)*, Sept. 2015.