

Rabie Belkacemi

Assistant Professor

Department of Electrical and Computer Engineering Tennessee Tech University, Cookeville, TN

Mailing Address: Box 5004, TTU, Cookeville, 38505 rbelkacemi@tntech.edu

Education:

- Ph.D. (E.E.) West Virginia University, Morgantown, WV, 2011
- M.S. (E.E.) National institutes of Applied Sciences (INSA), Lyon, France, 2006
- B.S. (E.E.) Ecole National Polytechnique of Algiers, Algeria, 2004

Experience:

- 2011-present Assistant Professor, Electrical & Computer Engineering
- 2007-2011 Research Assistant, West Virginia University
- 2009-2011 Teaching Assistant, West Virginia University
- 2007-2011 Research Assistant, National Center for Scientific Research (CNRS, France)

Selected Publications:

- [1] Rabie Belkacemi, Adenyi Bababola, Sina Zarabian, " AIS-Trained MAS Algorithm for Preventing Cascading Failures in Smart Grid Systems ", Proc.of the IEEE Northern American Power Symposium, September, Washington, 2014
- [2] Rabie Belkacemi, Adenyi Bababola, " Smart Grid Power Management Using two way communication", Proc.of the IEEE Northern American Power Symposium, KS, September, 2013
- [3] Rabie Belkacemi, Ali Feliachi, "Intelligent Multi-Agent System for Smart Grid Power Management," Smart Power Grids, Edited by Ali Keyhani, Muhammad Marwali, Publisher SPRINGER-VERLAG, 2012(book chapter).
- [4] Rabie Belkacemi, Ali Feliachi, M.A.Choudhary, "Multi-Agent Systems Hardware Development and Deployment for Smart Grid Control Applications," Proc. of the IEEE Power Engineering Society General Meeting, Michigan, 2011.
- [5] Rabie Belkacemi, Ali Feliachi, "Design and Deployment of a Multi-Agent System on a Hardware Prototype," Proc. of the IEEE Power Engineering Society General Meeting, July 25-29, 2010, Minneapolis, Minnesota.

Research interest

- Power system stability and control
- Power system protection
- Multi Agent Systems
- Machine Learning applied to power systems
- Unmanned Aerial Vehicle applications in power systems
- Microgrid stability and control
- Renewable energy Integration
- Economic operation of smart grid systems