**Pooyan Moradi Farsani**

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**Education**

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| * **Master's of Science, Electrical Engineering** | **Sept 2016 – Aug2018** |

Pennsylvania State University, State College, PA, USA

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| * **Bachelor's of Science, Electrical Engineering** | **Sept 2008 - Aug 2013** |

Isfahan University of Technology, Isfahan, Iran

**Publications**

* **Synchrophasor-Enabled Power Grid Restoration with DFIG-Based Wind Farms and VSC-HVDC Transmission System**

IET Generation, Transmission and Distribution Journal, Oct 2017

* **Hybrid Simulation Platform for VSC-HVDC-Assisted Large-Scale System Restoration Studies**

IEEE ISGT Conference, Sep 2016

**Experiences**

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| * **Graduate Research Assistant** | **Jan 2017 – Present** |

Pennsylvania State University

* Developed detailed three-phase switched model of a DFIG-based wind farm in PSCAD.
* Proposed a novel method for power system restoration using DFIG-based wind farms.

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| * **Graduate Teaching Assistant** | **Aug 2016 – Dec 2016** |

Pennsylvania State University

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| * **Graduate Research Assistant** | **Aug 2015 – Jul 2016** |

North Dakota State University, Fargo, ND, USA

* Developed detailed three-phase switched model of a VSC-HVDC link in PSCAD.
* Developed large-scale power system models in PSS/E and PSCAD software for a hybrid co-simulation platform and used them for VSC-HVDC-assisted restoration studies.
* **Internship**

Behrad Consulting Engineers, Isfahan, Iran **Jun 2011 – Aug 2011**

* Performed distribution system power flow and fault analyses using CYMEDIST package of CYME software.

**Software and Programming Skills**

* Hands on knowledge of simulation software such as PSS/E, PSCAD/EMTDC and SIMULINK. Familiar with CYME.
* Good knowledge of programming languages such as MATLAB, C, and Python.
* Hands on experience with ETRAN translator and building PSSE/PSCAD hybrid co-simulation cases for power system studies.
* Good knowledge of Minitab statistical software, LaTeX, and MS Office.

**Languages**

English (fluent), French (basic), Persian (native language)

**References**

Available upon request.