



Peyman Naderi

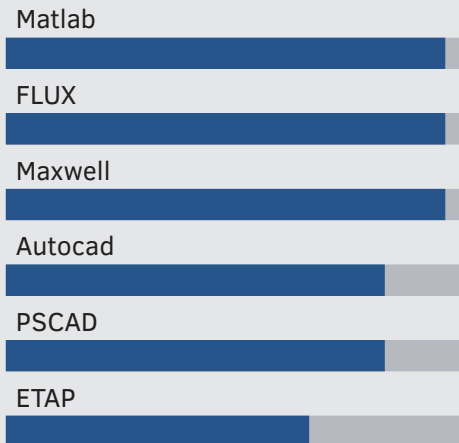
Associate Professor,
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Power Engineering Group,
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About me

Peyman Naderi was born in Ahvaz, Iran, in 1975. He received his B.S. degree in Electronic Engineering in 1998 and M.S. degree in Power Engineering from Chamran University, Iran, Ahvaz in 2001. He has Ph.D. in Power Engineering from K.N. Toosi University, Tehran, Iran. His interests are electrical machine modeling and fault diagnosis and also power system transient. He is currently an associate professor at Shahid Rajaei Teacher Training University, Tehran, Iran.

Skills



Interests

- Electrical machines modeling and fault diagnosis.
- Power system dynamic and control.
- Dynamic systems simulation and analysis.

Education

- 2004-2009 Ph.D. in Power Engineering Khaje Nasir University, Tehran, Iran
Thesis: Electrical Traction System using in Front Differential Vehicles.
- 1999-2002 M.Sc. in Power Engineering Shahid Chamran University, Ahvaz, Iran
Thesis: Electrical Load Forecasting by ANNs.

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- 3)-2013 *P. Naderi, 'Distributed Generation, Using Battery/Photovoltaic System: Modeling and Simulation With Relative Controller Design', Journal of Solar Energy Engineering,*
- 4)-2015 *P. Naderi, A. Taheri, 'Slot Numbering and Distributed Winding Effects Analysis on the Torque/Current Spectrum of Three-phase Wound-rotor Induction Machine Using Discrete Modeling Method', Electric Power Components and Systems,*
- 5)-2015 *P. Naderi, A. Shiri, 'Pole arc skewing analysis of synchronous reluctance machine using discrete method combined with winding function approach', Applied Computational Electromagnetic Society Journal,*
- 6)-2015 *P. Naderi, 'Eccentricity Fault Diagnosis and Torque Ripple Analysis of a Four-pole Synchronous Reluctance Machine in Healthy and Faulty Conditions', Electric Power Components and Systems,*
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- 8)-2016 *P. Naderi, 'Inter-turn short-circuit fault detection in saturable squirrel-cage induction motor using magnetic equivalent circuit model', COMPEL - The International Journal for Computation and Mathematics in Electrical and Electronic Engineering,*
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- 12)-2017 *J. Mahmoodi, S.Z. Moosavi, P. Naderi*, 'Partial discharge diagnosis of ceramic pin insulators considering cost-worth analysis: Case study in a medium voltage feeder', *IEEE Transactions on Dielectrics and Electrical Insulation*, [↗ CrossReff.](#)
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- 15)-2017 *P. Naderi, R. Ghandehari*, 'Modeling and stator Inter-Turn short circuit fault detection for saturable salient pole synchronous machine by a non-linear magnetic equivalent circuit approach', *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields*, [↗ CrossReff.](#)
- 16)-2018 *B. Ehsanmaleki, P. Naderi, H. Beyranvand*, 'A novel 2-stage WAPSS design method to improve inter-area mode damping in power systems', *International Transactions on Electrical Energy Systems*, [↗ CrossReff.](#)
- 17)-2018 *P. Naderi*, 'Magnetic-equivalent-circuit approach for inter-turn and demagnetisation faults analysis in surface mounted permanent-magnet synchronous machines using pole specific search-coil technique', *IET-Electric Power Applications*, [↗ CrossReff.](#)
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- 19)-2019 *P. Naderi, S. Sharouni, M. Moradzadeh*, 'Analysis of Partitioned Stator Flux-Switching Permanent Magnet Machine by Magnetic Equivalent Circuit', *International Journal of Electrical Power & Energy Systems*, [↗ CrossReff.](#)
- 20)-2019 *P. Naderi, M. Rostami, A. Ramezannazhad*, 'Phase-to-phase fault detection method for synchronous reluctance machine using MEC method', *Electrical Engineering (Springer)*, [↗ CrossReff.](#)
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- 22)-2020 *S. Sharouni, P. Naderi, M. Hedayati, P. Hajihosseini*, 'Demagnetization fault detection by a novel and flexible modeling method for outer rotor permanent magnet synchronous machine', *International Journal of Electrical Power & Energy Systems*, [↗ CrossReff.](#)
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- 32)-2021 *M. Rostami, P. Naderi, A. Shiri, 'Modeling and analysis of variable reluctance resolver using magnetic equivalent circuit.', COMPEL - The international journal for computation and mathematics in electrical and electronic engineering, [CrossReff.](#)*
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- 1)-2012 *A. Samimi, P. Naderi, 'A new method for optimal placement of TCSC based on sensitivity analysis for congestion management', Smart Grid and Renewable Energy, [CrossReff.](#)*
- 2)-2013 *P. Naderi, R. Ghandehari, 'Full Modelling and Simulation of Fuel-Cell/Battery Hybrid Vehicle and Power Management Controller Design', International Journal of Modelling and Simulation, [CrossReff.](#)*
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- 4)-2014 *P. Naderi, M.R. Alizadeh, 'A novel controlling method for the superconducting magnetic energy storage system as a distributed generation source; full modelling, design and simulation', International Journal of Sustainable Energy, [CrossReff.](#)*
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- 5)-2018 *P. Naderi, M.R. Raiat-Roknabdi*, 'Inter-Turn Short Circuit Fault Studying in Switch Reluctance Machines Using Magnetic Equivalent Circuit', *10th Power Electronics, Drive Systems, and Technologies Conference (2019), IRAN*
- 6)-2019 *S.R Eftekhari, S.R. Davari, P. Naderi, C. Garcia, C. Rodriguez*, 'A Simple and Robust Model-Based Loss Minimization Method for Direct Torque Control of Induction Motor', *ICPE 2019 - 10th International Conference on Power Electronics - ECCE Asia, Malaysia*
- 7)-2020 *M. Rostami, P. Naderi, A. Shiri*, 'Analysis of Linear Primary Permanent Magnet Vernier Machine Using Finite element method', *11th Power Electronics, Drive Systems, and Technologies Conference (2020), IRAN*
- 8)-2020 *B. Nikmaram, A. Davarri, P. Naderi, C. Garcia, J. Rodriguez*, 'Simplified Modulated Model Predictive Control of Synchronous Reluctance Motor', *11th Power Electronics, Drive Systems, and Technologies Conference (2020), IRAN*

Industrial Projects

- 1)-2012 *P. Naderi*, '**Capacitor Optimal Placement in Distributed Network of AZNA city (Lorestan)**', Lorestan Distribution Company,
Price: 200000000 R
- 2)-2017 *P. Naderi*, '**Optimal Placement of DGs in Guilan Power Network**', Guilan Regional Electric Company,
Price: 720000000 R