Mehdi Soltani

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Personal Information	• Date of Birth : 1981 • Place of Birth: Tiran, Esfahan, Iran. • Gender : Male • marital status: Married • Nationality : Iranian
Education	**M.S.c :** Power system field/ power electrical engineering. K.N.T. University of technology, Electrical engineering department, Power group, Tehran, Iran. Graduated February. 2008. **Thesis :** Modeling and Simulation of a Small PEM Fuel Cell Power Plant Fueled with Natural Gas, Isolated From Grid **B.S.c :** Power Electrical engineering, November 2004 **Thesis :** Design and construction of a three-phase induction motor drive
Honors	• Second rank in 2000 and 2002 in the Electrical Engineering department. Power group, • Third rank in 2007 in the Electrical Engineering department. Power group, K.N.T. University of technology, Tehran. Iran.
Working Experience	1. Research group member of hybrid electric vessel, sub sea research and development center, Malek Ashtar university of technology, Sep 2008- Up to now 2. GHAZAL hybrid electric vehicle (fuel cell and battery) team member, Electrical engineering department, K.N.T University of technology. 2006-2008 3. Power system laboratory teacher assistant, Fuel cell group, K.N.T. University of technology. 2006-2008 4. Designer and advisor of electrical structure of building since 2011

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Teaching Experience	I have been teaching as a Faculty member in Azad University since 2007 in the following courses: 1. Electrical circuits 1,2 2. Logical circuits 3. DC Electrical machines 4. AC Electrical machines 5. Basic of power systems 6. Winding workshops 7. Electrical circuits laboratory 8. Electrical machines laboratory 9. General Electronic 10. Power system analysis 1 , 2 11. Special machinery 12. Electrical machinery 2, 3 13. Power electronics 14. Power system safety
Research Interests	• Renewable Energy (fuel cell, solar, wind) • Hybrid energy source • Distributed generation (DG) • Hybrid electric vehicle
Computer skills	• MATLAB, (programming and simulation) • EMTP, • PSCAD, • HOMMER, • AutoCAD • familiar with C programming • Microsoft Office (Word, Excel, PowerPoint, Visio)
Language proficiency	• Persian (Native) • Toefl (iBT) : 90
Journal article	1. **Mehdi Soltani,** S.M.T. Bathaee, ***"Development of an Empirical Dynamic Model for a Nexa PEM Fuel Cell Power Module",*** Energy Conversion and Management, Volume **51, I**ssue 12, (2010) pp. 2492-2500. 2. Mostafa Azimi Dehaghani**, Mehdi Soltani,** Sayed Mohsen Ahmadi**,** Payam Ghaebi Panah ***"Application of Artificial Bee Colony Algorithm for Optimal Overcurrent Relay Coordination for Power System Including DGs",*** Life Science Journal 2012;9(4) 3. **Mehdi Soltani**, Sayed Mohsen Ahmadi, Payam Ghaebi Panah, Ramtin Sadeghi, ***"A New Efficient Fuzzy Wavelet Neural Network Based Imperialist Competitive Algorithm for Control of Nonlinear Industrial Processes***", Life Science Journal 2012;9(4)

Conference paper	1. **Mehdi Soltani,** S.M.T. Bathaee ***"A New Dynamic Model Considering Effects of Temperature, Pressure and Internal Resistance for PEM Fuel Cell Power Modules"***, IEEE Conf. DRPT2008 china 2. S.M.T. Bathaee, **Mehdi Soltani,** ***"Dynamic Modeling of a Hybrid Energy Source Combined of PEM Fuel Cell and Ultracapacitor"*** IEEE Conf, Powercon2008 Delhi 3. **Mehdi Soltani,** S.M.T. Bathaee**,** ***" Renovation in a Dynamic PEM Fuel cell model considering effects of temperature and internal resistance"*** (Farsi) PSC2007 International conference, Tehran, Iran 4. **Mehdi Soltani,** S.M.T. Bathaee, ***"Modeling, Simulation and Evaluation of a PEM fuel cell for residential application"*** (Farsi). Student Conference in Electrical Engineering, August 2006. Esfahan, Iran