



**Faramarz Ghelichi**



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**Education:**

B.S Degree in Electrical (Power) Engineering, 1990, Mashhad University - Iran

**Present Position:**

Managing Director

**Professional Experiences:**

- **Monenco Iran Consulting Engineers Co**, Managing Director, 2023 to Present
- **Monenco Iran Consulting Engineers Co**, Transmission & Dispatching Deputy Manager, 2007 to 2023.
- **Monenco Iran Consulting Engineers Co**, Transmission Lines & Distribution Networks Department Manager, 2001- 2007.
- **Monenco Iran Consulting Engineers Co**, Project Manager, 1999-2001.
- **Monenco Iran Consulting Engineers Co**, Project Technical Engineer and Designer, 1997-1999.
- **Moshanir Power Consulting Engineers Co**, Site Manager of Khuzestan Water & Power Authority (KWPA), 1994-1997.
- **Moshanir Power Consulting Engineers Co**, Site Manager of Iran Power Company (IPC) and Bakhtar Regional Electric Company (BREC), 1993.
- **Moshanir Power Consulting Engineers Co**, Project Technical Engineer, 1992.
- **Iranian Army Organization**, Project Engineer and Superintendent for Electrical Installation Projects, 1990 -1992.

**Expertise Fields:**

- Transmission Lines and HV Sub-Stations Analysis and Designer.
- Insulation coordination.

**Skills:**

- Developing up to :
  - 36 modules Transmission Lines Design, including DTLP software.  
DTLP: Design Transmission Lines Program.
  - 8 modules in sub-station design including SCAD software.  
SCAD: Sub-station Computer Aided Design.
  - Designing and Analyzing Transmission networks with software, i.e. BPA, DTLP, and SCAD.

#### PAPER PUBLICATION:

- ۱- **F.GHELICHI, S.KHALAJ**;"Decreasing the second order right of way of transmission lines"; 2<sup>nd</sup> Seminar On Power Transmission Lines ; 4<sup>th</sup> Seminar On Power Transmission Lines , Feb. 2003.
- ۲- **F.GHELICHI, S.NOURIZADEH, S.KHALAJ**;" Optical Ground Wire; design and operation"; Accepted in Dec. 2008, Journal of Electric Industry.
- ۳- **F.GHELICHI, S.NOURIZADEH**;" High speed electric railway development all around the world"; Accepted in May. 2008, Journal of Transportation & Development.
- ۴- **F.GHELICHI, S.NOURIZADEH**;"Application of high capacity conductors for power system reliability enhancement", 23<sup>rd</sup> Power System Conference / PSC 2008.
- ۵- **S.NOURIZADEH, F.GHELICHI, S.KHALAJ** ;"Analyzing Tower footing resistance effects on transmission lines insulation coordination " ; 10<sup>th</sup> Seminar On Power Transmission Lines & The 7<sup>th</sup> Seminar On Insulators , Feb .2009.
- ۶- **F.GHELICHI, S.NOURIZADEH, S.KHALAJ** ;"LiDAR applications for the existing transmission lines; sag monitoring " ; 10<sup>th</sup> Seminar On Power Transmission Lines & The 7<sup>th</sup> Seminar On Insulators , Feb .2009.
- ۷- **S.NOURIZADEH, F.GHELICHI, S.KHALAJ, P.REZAEI**;" Transmission line De-Icing and Anti-Icing " ; 10<sup>th</sup> Seminar On Power Transmission Lines & The 7<sup>th</sup> Seminar On Insulators , Feb .2009.
- ۸- **S.NOURIZADEH, F.GHELICHI, S.KHALAJ, P.REZAEI**;"Multiple Circuit transmission lines back flash over analysis " ; 10<sup>th</sup> Seminar On Power Transmission Lines & The 7<sup>th</sup> Seminar On Insulators , Feb .2009.
- ۹- **S.NOURIZADEH, F.GHELICHI, S.KHALAJ** ;" Analyzing Tower footing resistance effects on transmission lines back flash over" ; 10<sup>th</sup> Seminar On Power Transmission Lines & The 7<sup>th</sup> Seminar On Insulators , Feb. 2009.
- ۱۰- **S.NOURIZADEH, F.GHELICHI, S.KHALAJ** " Comparison of HVDC and HVAC for power transmission " ; 10<sup>th</sup> Seminar On Power Transmission Lines & The 7<sup>th</sup> Seminar On Insulators , Feb. 2009.
- ۱۱- **F.GHELICHI, H.JAVADI, A.MOBARHANI** ;" Voltage gradient in porcelain insulators" ; 10<sup>th</sup> Seminar On Power Transmission Lines & The 7<sup>th</sup> Seminar On Insulators , Feb. 2009.
- ۱۲- **M.FATAHPOUR, F.GHELICHI** ;"Mechanical Load Limiters for Transmission Lines " ; 10<sup>th</sup> Seminar On Power Transmission Lines & The 7<sup>th</sup> Seminar On Insulators , Feb. 2009.
- ۱۳- **I.BANIMOSTAFA ARAB, F.GHELICHI, M.ABDOLHOSSEINPOUR**;" Transmission line design loading, upgrading the current practice" ; 10<sup>th</sup> Seminar On Power Transmission Lines & The 7<sup>th</sup> Seminar On Insulators , Feb. 2009.



- ۱۴- S.NOURIZADEH, **F.GHELICHI**, S.KHALAJ ;" Dynamic Ratings of transmission lines" ; 11<sup>th</sup> Seminar On Power Transmission Lines & The 8<sup>th</sup> Seminar On Insulators , Feb. 2010.
- ۱۵- A.MAANI ,**F.GHELICHI**, A.M.RANJBAR ;" Transmission line transposition effects on voltage imbalance"; 11<sup>th</sup> Seminar On Power Transmission Lines & The 8<sup>th</sup> Seminar On Insulators , Feb. 2010.
- ۱۶- A.MAANI, **F.GHELICHI**, S.KHALAJ, M.ROUSTAEI ;"Analyzing the least required current for transmission line De-Icing and Anti-Icing"; 11<sup>th</sup> Seminar On Power Transmission Lines & The 8<sup>th</sup> Seminar On Insulators , Feb. 2010.
- ۱۷- M.H.MEHDINIA, **F.GHELICHI**;" Automatic Sag mitigation in Transmission Lines "; 11<sup>th</sup> Seminar on Power Transmission Lines & The 8<sup>th</sup> Seminar On Insulators, Feb. 2010.
- ۱۸- D.MORADI, **F.GHELICHI**, S.KHALAJ;" Sample Test improvement of Composite Insulators "; 11<sup>th</sup> Seminar On Power Transmission Lines & The 8<sup>th</sup> Seminar On Insulators , Feb. 2010.
- ۱۹- A.MAANI, **F.GHELICHI**, S.HABIBZADEH ;" Analyzing Tower structure effects on electrical fields of transmission lines"; 11<sup>th</sup> Seminar On Power Transmission Lines & The 8<sup>th</sup> Seminar On Insulators , Feb. 2010.
- ۲۰- S.NOURIZADEH, **F.GHELICHI**, A.RAHMANI;"Emergency repair system for transmission lines"; 11<sup>th</sup> Seminar On Power Transmission Lines & The 8<sup>th</sup> Seminar On Insulators, Feb. 2010.
- ۲۱- S.KHALAJ, **F.GHELICHI**, A.TAHERINIA;"Improve power quality by using proportion equipment"; Kuwait Electricity Conference & Exhibition, March 2010.
- ۲۲- S.KHALAJ, **F.GHELICHI**, M.FATAHPOUR;" Huge Tubular Tower"; Kuwait Electricity Conference & Exhibition, March 2010.
- ۲۳- S.KHALAJ, **F.GHELICHI**, A.MAANI, M.BAHADORI;" Measurement Units Optimal placement in atomized electricity distribution networks"; 15<sup>th</sup> Electrical Power Distribution Conference / EPDC 15, April 2010.
- ۲۴- S.KHALAJ, **F.GHELICHI**, A.MAANI;" Economic Evaluation of low power lamps"; 15<sup>th</sup> Electrical Power Distribution Conference / EPDC 15, April 2010.
- ۲۵- **F.GHELICHI**, A.MAANI;" Reverse engineering for analyzing the most critical equipment from reliability point of view "; 15th Electrical Power Distribution Conference / EPDC 15, April 2010.
- ۲۶- **F.GHELICHI**, A.MAANI, A.M.RANJBAR;" Loss valuation in electricity distribution networks"; 15th Electrical Power Distribution Conference / EPDC 15<sup>th</sup> April 2010.
- ۲۷- **F.GHELICHI**, S.KHALAJ, A.MAANI;"Distribution Networks Critical Components Detection in Reliability Viewpoint", 1<sup>st</sup> Iranian Conference on Smart Grid, Oct. 2010.

۲۸- S.KHALAJ, F.GHELICHI, A.MAANI; "Distributed Generation Penetration Level Influence on Distribution Networks Loss Cost"; IEEE International Energy Conference & Exhibition, December 2010.