

# Faemeh Ayazi

Electrical Engineering  
Electrical Engineering department  
Zanjan National University  
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## OBJECTIVE

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To pursue my education through an **Master** in **Electrical Engineering** at an accredited university

## Education

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Sep2014 –Feb2017	<b>Master of Electrical Engineering (GPA 17.20/20)</b> Electrical Engineering Department , Zanjan National University (ZNU),Zanjan,Iran
Jan2010-May2014	<b>B.SC in Electrical Engineering (GPA 17.12/20)</b> Electrical Engineering Department , Zanjan National University (ZNU),Zanjan,Iran

## Research Interests

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- Power systems (optimization, operation and control)
- Smart grids( operation and control)
- Distributed generation and renewable energy
- Energy conversion and distribution
- Optimal control
- Power quality
- Storage systems in power distribution
- Energy management

## Honors and Awards

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2014-2017	First ranked GPA Student in Electrical engineering department of <b>Zanjan National University</b> for the MSc degree
2010-2014	First ranked GPA student among the class of B.SC students

<b>2014</b>	Received <b>full governmental fellowship</b> for Master of Electrical Engineering
<b>2014</b>	Member of talented student units in Electrical engineering department of <b>Zanjan National University</b>
<b>2014</b>	Contributing in industry about grid analysis with presence of distributed generations (the result defined in B.SC thesis )

## Publications

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- Behzad Karimi, Behzad Ghorbanlou, **Faeme Ayazi** . Estimation of power quality Indices by two step improved recursive Newton Algorithm in distributed generation systems during power islanding condition. National Conference on New Research in Electrical Engineering EEC-10025. 2016

## Selected optional courses

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High voltage and Isolation, High voltage Lab, Protection and Relays, Machinery II & III ,special electrical machines, Machinery Lab, power electronic, Power system Transition

## Teaching Experience

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<b>Fall 2012</b>	Teacher assistant in electronic circuit course
<b>Spring 2013</b>	Teacher assistant in micro-controller course

## Training courses

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- technical and vocational diploma in Electronics Industrial grade 1 715 hours
- technical and vocational diploma in Industrial power grade 2 37 hours
- Maintenance of Guascor distributed generations by representative of Siemens company

## Research Projects

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- “coordinated voltage control in smart distribution grid with renewable distributed generation”, (2017), Approving authority: Vice-Chancellor of Research- Zanjan National University, Zanjan, Iran; (My MSc Thesis Title)
- “Power flow analysis in the distribution network and the study of the effect of distributed Generations on the network”, (2014), Approving authority: Vice-Chancellor of Research- Zanjan National University, Zanjan, Iran. (My B.SC Thesis Title)

## Work Experiences

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| <b>2017– Present</b> | Electrical Supervisor in distributed generation power plant (25 MW included 8 Wartsila DGs and 3 Guascor DGs), Kholes Sazan Zinc Company, Zanjan, Iran. |
| <b>2013 – 2017</b>   | Electrical operator in distributed generation power plant (25 MW included 8 Wartsila DGs and 3 Guascor DGs), Kholes Sazan Zinc Company, Zanjan, Iran.   |

## Technical Skills

- Proficient in Power System Analysis in presence of Distributed Generation
- representative of electrical engineer of company in maintenance period of Wartsila DGs(2014-2015)
- representative of electrical engineer of company in solving electrical problem and cooperating Siemens company in installation and operation period (2016-Present)
- Responsibility of overcome electrical fault in the engines
- Designing electrical circuits related to the power plant
- Control of parameters of DGs corresponded to DG situations by Woodward toolkit (GUASCOR HGM560)
- Operator in electrical circuits of RTU ABB560 for communication and data transmission

## Software Skills

- AutoCad, Matlab and Simulink, digsilent, Eplan, Proteus

## Language Skills

- Persian: Native
- English: Fluent (IELTS will be taken soon)
- Arabic: Basic

## Hobbies

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- Team Working
- Charity
- Swimming

## References

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- **Prof. Reza Noroozian**, Professor of Faculty of Electrical Engineering, , Zanjan National University, noroozian@znu.ac.ir
- **Prof. Kazem Mazlumi**, Associate Professor of Faculty of Electrical Engineering, Zanjan National University, kmazlumi[at]znu.ac.ir
- **Prof. Abbas Rabiee**, Associate Professor of Faculty of Electrical Engineering, , Zanjan National University, rabiee[at]znu.ac.ir
- **Prof. saeid jalilzadeh**, Associate Professor of Faculty of Electrical Engineering, Zanjan National University, jalilzadeh@znu.ac.ir