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AMIN YAZDANINEJADI

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PERSONAL INFORMATION

First Name: Amin
Family Name: Yazdaninejadi
Birth: 23th January of 1990 Urmia, West-Azerbaijan, Iran
Nationality: Iranian
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FIELDS OF INTEREST

- Smart Distribution Grid Protection and Technologies
- Protection of Active Distribution Networks
- Control of Renewable Energy Systems and Microgrids
- Distance and Overcurrent Relaying
- Developing Protection Schemes and Strategies in Interconnected Networks

HONORS AND AWARDS

- Outstanding Workshop, 6th Forum on Maintenance and Operation for West and Northwest Power Distribution Companies, 2017
- Honor Student, Ph.D. Degree, 2019
- Distinguished Researcher-Student Section, 2019
- Scholarship Award, Iran's National Elites Foundation, 2018.

CONFERENCE SERVICES

- **Technical Reviewer**, Workshop, 6th Symposium on Maintenance and Operation for West and Northwest Power Distribution Companies, 2017
- **Technical and Executive Committee Member**, 1th Workshop on Operation of Modern Power System, (Keynote Speaker: Prof. Mohammad Shahidehpour), Urmia University, 2015



TEACHING EXPERIENCES

Graduate Courses at SRU (Tehran, Iran)

- Advanced Power System Protection, Fall 2020

Under-Graduate Courses at SRU (Tehran, Iran)

- Power System Relaying and Protection, Fall 2020
- Power System Analysis I, Spring 2020 and Fall 2020
- Electrical Circuits II, Spring 2020
- Electrical Machines Lab II, Spring 2020
- Power Systems Lab, Fall 2020

INDUSTRIAL ACTIVITIES

- Operation of copper factory, 2015, Varzeghan, Songon, East Azerbaijan, Iran
- Technical expert in the project of exploitation of the Sangong Mine Factory, East Azarbaijan, Iran
- Expert and technical consultant in Ata and Orum company Arsin Niroom; has been working for more than 3 years

WORKSHOP ACTIVITIES

- **Presentation**, Protection Requirement in Distribution Systems with Distributed Generation Based on Presented Plan by Tvanir in 2013, Workshop, 6th Forum on Maintenance and Operation for West and Northwest Power Distribution Companies, 2017
- **Presentation**, Protection Concerns in Active Distribution Networks Besides Contemplating Transient Stability Constraints, at Technical and Vocational University, under preparation (The Proposal is Accepted)

PUBLICATIONS

Total publications: 27

Book Chapters

1. [A. Yazdaninejadi](#), A. Hamidi, S. Golshannavaz, *Microgrids Advances in Operation, Control, and Protection / Fault Identification, Protection Schemes, and Restoration Requirements of Microgrids* Springer, 2021.

Manuscripts in Newsletters

1. [A. Yazdaninejadi](#), S. Golshannavaz, & F. Aminifar, Relay-to-Relay Communication in Smart Grids Yields Robust Protection. [IEEE Smart grid](#), Published 2020.



Journal Papers

1. [A. Yazdanejadi](#), S. Golshannavaz, D. Nazarpour, S. Teimourzadeh, F. Aminifar, Dual-Setting Directional Overcurrent Relays for Protecting Automated Distribution Networks, [IEEE Transactions on Industrial Informatics](#), to appear, 2018.
2. [A. Yazdanejadi](#), M. S. Naderi, G. B. Gharehpetian, V. Talavat, Protection Coordination of Directional Overcurrent Relays: New Time Current Characteristic and Objective Function. [IET Generation, Transmission & Distribution](#), Published, 2017.
3. [A. Yazdanejadi](#), D. Nazarpour, S. Golshannavaz. Dual-setting Directional Over-Current Relays: An Optimal Coordination in Multiple Source Meshed Distribution Networks. [International Journal of Electrical Power & Energy Systems](#), published, 2017.
4. [A. Yazdanejadi](#), D. Nazarpour, V. Talavat, Optimal Coordination of Dual-setting Directional Over-Current Relays in Multi-Source Meshed Active Distribution Networks Considering Transient Stability. [IET Generation, Transmission & Distribution](#), Published, 2018.
5. [A. Yazdanejadi](#), D. Nazarpour, V. Talavat, Coordination of Mixed Distance and Directional Overcurrent Relays: Miscoordination Elimination by Utilizing Dual Characteristics for DOCRs. [International Transactions on Electrical Energy Systems](#), Published, 2018.
6. [A. Yazdanejadi](#), A. Hamidi, S. Golshannavaz, F. Aminifar, & S. Teimourzadeh, Impact of inverter-based DERs integration on protection, control, operation, and planning of electrical distribution grids. [The Electricity Journal](#), Published, 2019.
7. [A. Yazdanejadi](#), V. Talavat, & S. Golshannavaz, A dynamic objective function for communication-based relaying: Increasing the controllability of relays settings considering N-1 contingencies. [International Journal of Electrical Power & Energy Systems](#), Published, 2020.
8. [A. Yazdanejadi](#) & S. Golshannavaz, S. (2020). Robust protection for active distribution networks with islanding capability: An innovative and simple cost-effective logic for increasing fault currents virtually. [International Journal of Electrical Power & Energy Systems](#), Published, 2020.
9. [A. Yazdanejadi](#), D. Nazarpour, & S. Golshannavaz, Sustainable electrification in critical infrastructure: Variable characteristics for overcurrent protection considering DG stability. [Sustainable Cities and Society](#), Published, 2020.
10. [A. Yazdanejadi](#), D. Nazarpour, & V. Talavat, Fast Protection Scheme for Active Distribution Networks: Breaking Chains by Utilizing Auxiliary Relays. [Journal of Modern Power Systems and Clean Energy](#), Published 2020.
11. T. G. Bolandi, & [A. Yazdanejadi](#), Vulnerability assessment approach for real-time and regional monitoring of backup protections: minimizing number of GPS-based distance relays. [IET Generation, Transmission & Distribution](#), Published 2020.



12. S. Sabour, D. Nazarpour, D., Golshannavaz, [A. Yazdaninejadi](#), & M. Hassanifar, A new quasi-resonant switched capacitor multilevel inverter with the self-voltage balancing capability. [International Transactions on Electrical Energy Systems](#), Published 2020.
13. [A. Yazdaninejadi](#), J. Jannati, M. Farsadi, A New Formulation for Coordination of Directional Overcurrent Relays in Interconnected Networks for Better Miscoordination Suppression. [Trans. Electr. Electron. Mater. \(TEEM\)](#), Published, 2017.
14. J. Jannati, [A. Yazdaninejadi](#) and V. Talavat, Simultaneous Planning of Renewable/Non-Renewable Distributed Generation Units and Energy Storage Systems in Distribution Networks. [Trans. Electr. Electron. Mater. \(TEEM\)](#), Published, 2017.
15. J. Jannati, [A. Yazdaninejadi](#) and D. Nazarpour, Power System Rotor Angle Stability Improvement via Coordinated Design of AVR, PSS2B, and TCSC-Based Damping Controller. [Trans. Electr. Electron. Mater. \(TEEM\)](#), Published, 2016.
16. [A. Yazdaninejadi](#), M. Farsadi, and T. Sattarpour. Simultaneously Optimal Placement and Operation Scheduling of BESSs and DGs in Distribution Networks in order to minimizing net present value related to power losses. [IU-Journal of Electrical & Electronics Engineering](#), published, 2016.

Conference Papers

1. [A. Yazdaninejadi](#), D. Nazarpour, S. Golshannavaz, Considering the Effect of Fault Location on Optimal Coordination of Overcurrent Relays in Microgrid in the Presence of Fault Current Limiter. [In Proc. 4th International Congress on Electric Industry Automation](#), Tabriz, Iran, 23-24 February 2016 (In Persian)
2. H. Hosseinnejad, M. Sabri [A. Yazdaninejadi](#), M. Farsadi, Design of New Power Supply Model for Automation Systems. [In Proc. 4th International Congress on Electric Industry Automation](#), Tabriz, Iran, 23-24 February 2016 (In English)
3. M. Farsadi, T. Sattarpour, and [A. Yazdaninejadi](#), Optimal Placement and Operation of BESS in a Distribution Network Considering the Net Present Value of Energy Losses Cost, [9th International Conference on Electrical and Electronics Engineering](#), (ELECO), IEEE, Bursa, Turkey 2015. (In English)
4. M. Farsadi, [A. Yazdaninejadi](#), and A. EsmailiNasab, Reducing Over-Current Relays Operating Times in Adaptive Protection of Distribution Networks Considering DG Penetration, [9th International Conference on Electrical and Electronics Engineering](#), (ELECO), IEEE, Bursa, Turkey, 2015. (In English)
5. [A. Yazdaninejadi](#), M. S. Naderi, G. B. Gharehpetian, Improvement Overcurrent Relaying in Microgrids with adaptive relays [10th International Conference on Power Systems Protection and Control](#), (PSPC), 2014. (In Persian)



6. J. Jannati, [A. Yazdaninejadi](#) and M. Farsadi, Optimal Power Distribution Reconfiguration with Hyper-Spherical Search Algorithm and Comparing with Other Algorithm, [4th International Conference on Electrical and Computer Engineering](#), Tehran, Iran, 2015. (In Persian)
7. [A. Yazdaninejadi](#), M. S. Naderi, G. B. Gharehpetian, Optimal Overcurrent Protection Coordination in Smart Sub-Transmission Networks with DG Units for Off-grid and On-grid Operation, [Smart Grid Conference](#), Iran, 2014. (In Persian)
8. [A. Yazdaninejadi](#), H. Hosseinnajad, M. Sabri, Optimal Overcurrent Protection Coordination in Microgrids with considering DG Outage, [21th Power Distribution Conference](#), Iran, 2017. (In Persian)
9. H. Hosseinnajad, [A. Yazdaninejadi](#), V. Talavat, Automation of Connecting and outage of DGs in the Case of Load Variations by Smart Multi-Objective Algorithm, [3th Conference on Development of Electrical and Mechanical Engineering \(ECEM\)](#), Iran, 2016. (In Persian)

EDUCATION

PH.D.: Electrical Power Engineering, Relaying and Protection/Protection coordination in modern meshed structure electrical grids with distribution generation considering transient stability and fault ride through, Urmia University, Urmia, Iran, Supervisor: **Prof. Daryoush Nazarpour**.

M.Sc.: Electrical Power Engineering, Relay and Protection/ Presentation of a General Algorithm for Dynamic and Online Adaptive Protection in Smart Grids, Amirkabir University of Technology, Tehran, Iran Supervisors: **Dr. Mehdi Salay Naderi** and **Prof. Gevork B. Gharehpetian**.

B.Sc.: Discrimination Between Inrush Current and Internal Faults in Transformer by Discrete Wavelet Transform/Electrical Engineering, Urmia University, Urmia, Iran, Supervisor: **Prof. Daryoush Nazarpour**.

Diploma: Mathematics and Physics, Shahed High school, Urmia, Iran.

LANGUAGES

International Language: English (Fluent)

Native Language: Persian (Farsi)

Native Language: Azerbaijani-Turkey

COMPUTER SKILLS

Software: MATLAB/Simulink, PSCAD, DigSILENT Power Factory, and GAMS.

Optimization Algorithms: Genetic and Particle Swarm Optimization.

Operating Systems and Microsoft Office: Microsoft Windows XP/ 7/ 8/ 10, Word, Excel, PowerPoint, Visio.

Graphic Tools: Adobe Photoshop CS4, CorelDraw.