



## **Mojtaba Shivaie**

**B.S.E.E. | M.S.E.E. | Ph.D.**

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### **Education Background:**

- ❑ **Ph.D. in Electrical Engineering, Power Systems**
  - Shahid Beheshti University (SBU), AC, Tehran, Iran
  - Graduated Summa Cum Laude
- ❑ **M.Sc. in Electrical Engineering, Power Systems**
  - Shahid Beheshti University (SBU), AC, Tehran, Iran
  - Graduated Summa Cum Laude
- ❑ **B.Sc. in Electrical Engineering, Power Systems**
  - University of Semnan, Semnan, Iran
  - Graduated Summa Cum Laude

### **Major Research Interests:**

- Power Systems Planning and Design: Augmentation and Expansion of Generation, Transmission and Distribution Networks
- Electricity Markets Operation of Electric Power Systems
- Electric Power Systems Reliability
- Optimization Methodologies Applied to Electric Power Systems
- Power Quality and its Improvement by Active and Passive Power Filters
- Stochastic Simulation of Electric Power Systems

### **Minor Research Interests:**

- Integration of Renewable Energy Resources
- Smart Electrical Grids Applications
- Real-Time Control in Electric Power Distribution Networks
- Modeling of Flexible Alternating Current Transmission Systems (FACTS)
- Application of Artificial Neural Network (ANN) Applied to Electric Power Systems
- Large-Scale Power System Security Assessment and Control
- High Voltage Engineering and Insulation