

**Name: Mohamed Ahmed Mohamed Sobhy**  
**Current Title (including department and university): Lecturer in electrical power and machines department, Faculty of engineering**  
**Ain Shams university**  
**Address: 129/23 Mountain View Hyde park – New Cairo**  
**Phone: 01007248547**  
**Email: mohamed\_sobhy@eng.asu.edu.eg**



### **FIELDS OF SPECIALIZATION**

Power systems control, electrical protection, renewable energy and electric vehicles control.

### **DEGREES**

- **Ph.D.**, Phd. in Electrical Engineering, Faculty of engineering, Ain Shams university, 2016, Thesis topic: “Application of new optimization techniques for fault section estimation in power systems”
- **M.S.**, Master of science degree in Electrical Engineering, Faculty of engineering, Ain Shams university, 2022, Thesis topic: “Load frequency control of interconnected power systems including renewable energy sources”
- **B.S.E.E.**, B.Sc. Degree in Electrical Power and Machines, Faculty of engineering, Ain Shams university, 2011.

### **ACADEMIC AND INDUSTRIAL POSITIONS**

**June 2022 to present, examination delivery and receipt committee, Faculty of engineering, Ain Shams university**

Responsibilities:

- **examination delivery and receipt.**
- **Organizing the schedules of exams.**

**June 2022 to present, Control committee, Faculty of engineering, Ain Shams university**

Responsibilities:

- Revising the process of exam correction
- Revising students' grievances

### **RESEARCH PROJECTS**

- None

## **CONSULTANT**

- None

## **AWARDS**

- 2022, Ain Shams university award, received for publishing researches in international journals.

## **PROFESSIONAL RECOGNITION**

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## **PATENTS, PUBLICATIONS**

Patents and disclosures: -

### **Journal papers:**

1. Sobhy, M.A., Hasanien, H.M., Abdelaziz, A.Y., Ezzat, M.: "Manta ray foraging optimization algorithm-based load frequency control for hybrid modern power systems", IET Renew. Power Gener. 1–22 (2023).
2. Sobhy, M.A., Abdelaziz, A.Y., Hasanien, H.M., Ezzat, M.: "Marine predators algorithm for load frequency control of modern interconnected power systems including renewable energy sources and Energy Storage Units", Ain Shams Engineering Journal, 2021, 12, (4), pp. 3843–3857.

### **Conference publications:**

1. Sobhy, M.A., Abdelrahman, M.E., Hasanien, H.M., Abdelaziz, A.Y., Zobaa, A.F.: "Load frequency control of interconnected power systems using hybrid algorithm based particle swarm and grey wolf optimizers", The 17th International Conference on AC and DC Power Transmission (ACDC 2021).
2. M. A. Sobhy, M. Ezzat, H. M. Hasanien and A. Y. Abdelaziz, "Harris Hawks Algorithm for Automatic Generation Control of Interconnected Power Systems," 2019 21st International Middle East Power Systems Conference (MEPCON), Cairo, Egypt, 2019, pp. 575-582.
3. M. A. Sobhy, M. Ezzat , W. Elkhattam, and, A. Y. Abdelaziz , "Fault section estimation in power systems Based on improved honey-bee mating optimization," 2016 Eighteenth International Middle East Power Systems Conference (MEPCON), Cairo, 2016, pp. 246-252.
4. A. Y. Abdelaziz, W. Elkhattam, M. Ezzat and M. A. Sobhy, "Fault section estimation in power systems Based on improved honey-bee mating optimization," 2016 Eighteenth International Middle East Power Systems Conference (MEPCON), Cairo, 2016, pp. 246-252.

