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أستاذ ـ رئيس قسم الهندسة الكهربائية والحاسوب

قسم الهنسة الكهربائية والكمبيوتر

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يعمل في الجامعة: منذ 2026

الحالة الاجتماعية: متزوج

Prof. Mohamed Ezzat Abdelrahman Abdelghani is a professor in Electrical Power Systems. Currently, he is the Head of Department of Electrical and Computer Engineering (DECE), College of Engineering and Architecture (CEA), University of Nizwa. His research interests are in power systems analysis, planning, protection, operation and control. Also, in renewable energy sources integration and Energy management.

المؤهلات الأكاديمية

Professor degree in Electrical Power systems، Ain Shams University, Egypt، 2025

Associate professor in Electrical Power Systems ، Ain Shams University, Egypt ، 2020

Ph.D. degree in Electrical Engineering، Ain Shams University, Egypt، 2012، Applications of Phasor Measurement Units in Power Systems Protection

M.Sc. Degree in Electrical Engineering، Ain Shams University, Egypt، 2007، Protection Strategy of Distributed Generation

B.Sc. Degree in Electrical Power Engineering، Ain Shams University, Egypt، 2001

أنشطة التدريس

Electrical Circuits Analysis

Electrical transmission Systems

Power Systems Analysis

Advanced Power Systems

Planning of Electrical Systems

Power Systems Protection

Fundamentals of Photovoltaics

Advanced Photovoltaic Systems

الأنشطة البحثية

الاهتمامات البحثية ـ

Power Systems planning

Operation and Control of Power Systems

Renewable Energy Resources integration

Smart grids

العرض في المؤتمرات ـ

Effect of D-STATCOMs Optimal Installment on Voltage Stability Enhancement and Total Energy Saving Cost Considering Load Growth Factor Using WHO، 2024 IEEE International Conference on Environment and Electrical Engineering، Rome, Italy، 17/06/2024

Novel Time-Domain Modeling Approaches of Electric Arc Furnace Using Enhanced Cassie-Mayr and ARMAX Models، MEPCON 2023، Mansoura, Egypt، 19/12/2023

Protecting doubly fed induction generator`s converter using a filter based TCR، 2020 IEEE International Conference on Environment and Electrical Engineering، Madrid, Spain، 09/06/2020

Reliability Enhancement in Distribution Systems Through Distributed Generator and Capacitor Allocation Using Flower Pollination Algorithm، MEPCON 2019، Tanta, Egypt، 17/12/2019

Performance comparison of classification methods for line outage detection، MEPCON، Cairo, Egypt، 27/12/2016

Line outage detection using support vector machine (SVM) based on the phasor measurement units (PMUs) technology، 2012 IEEE General Meeting، USA، 22/07/2012

Fault location techniques for transmission lines using phasor measurement units (PMUs): A new contribution، 2011 IEEE General Meeting، USA، 26/07/2011

المنشورات ـ

مقال:

1. 2026 Review of Transactive Energy Market Models and Their Possible Financial Impact on The Utility، Ahmed M Abdulmohsen, Mohamed Ezzat, Wessam El-baz, Walid A Omran, Mohamed Abdel-Rahman
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3. 2026 Enhancement of Power Quality in Industrial Distribution Systems using Photovoltaic Distributed Generation، Aya Medhat, Amr Magdy, Mohamed Ezzat
4. 2026 Solid oxide fuel cell simulation model tuning using operating conditions dependent

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الخبرة الإدارية

Head of Department - Department of Electrical and Computer Engineering, University :الآن ـ 2026 of Nizwa

Program Coordinator - Electrical Power Department, Faculty of Engineering, Ain :2026 - 2018 Shams University

الأنشطة الاستشارية

Electrical and light current consultant، Engineering Consultancy Center، Faculty of Engineering - Ain Shams University، 2016- 2026

العضوية في الهيئات المهنية

Egyptian Engineering Syndicate :الآن–2001

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