

Omar Hazem MOHAMMED
Age : 44
PhD in Electric Engineering from
University of Brest, Brest, France.
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CURRICULUM VITAE

Was born in Mosul, Iraq, in 1974. He received the B.Sc. and M.Sc. degrees both in electrical engineering, from the electrical power systems engineering department in the University of Technology of Baghdad, Baghdad, Iraq, in 1996 and 2004 respectively. After graduation, he joined the Technical College of Mosul, Northern Technical University, Mosul, Iraq, as a Lecturer. He awarded the Ph.D. in Electrical engineering at the University of Brest, Brest, France. He has many publications, conferences and scientific journals on the subject of renewable energies systems and currently works as a lecturer at the Northern Technical University,, He is a member and a scientific reviewer for many scientific journals and scientific conferences locally and internationally.



EDUCATION AND QUALIFICATIONS :

26/05/2016: Award the PhD in Electrical engineering with a mention of excellence (**très honorable**) from FRE CNRS 3744 IRDL -University of Brest/ ENSTA Bretagne / ENIB, IUT of Brest – UBO, Kergoat - CS 93837 - 29238 BREST CEDEX 03, FRANCE.

2012-2016: PhD Student in FRE CNRS 3744 IRDL -University of Brest / ENSTA Bretagne /ENIB, IUT of Brest – UBO, Kergoat - CS 93837 - 29238 BREST CEDEX 03, FRANCE.

Which previously was called Brest Mechanics and Systems Laboratory – LBMS, EA 4325 - University of Brest/ ENSTA Bretagne / ENIB, IUT of Brest – UBO, Kergoat - CS 93837 - 29238 BREST CEDEX 03, FRANCE.

2011-2012: Student in French language course, University Stendhal - Grenoble 3, 25 - 38040 Grenoble cedex 9, France.

2004-2011: Assist lecturer in technical college-Mosul-Iraq and in the Department of Electrical and Electronic Engineering, University of Technology- Baghdad (lecturer for the following subjects: power electronics, modern control systems, the Electrical machine Technology).

2004 M.sc in Electrical Power Systems Engineering University of Technology-Baghdad

2001-2004: M.sc Student in Electrical Power Systems Engineering department in University of Technology-Baghdad (Courses in power systems, power electronics, modern control systems, and reliability with protection devices). My Thesis in M.sc (optimal capacitor placement in power systems using a genetic algorithm).

1996-2001: Electrical engineer training (training of students in the following laboratories: computer Lab., measurement Lab., machines Lab., power electronics Lab., control systems lab.).

1996 B.sc in Electrical and Electronics Engineering former military college of engineering, the 1st on (Electrical and Electronic department/General electrical)

1992-1996: B.sc Student in Electrical and Electronics Engineering department in former military college of engineering, Then I graduated from college in 1996, I was the 1st in my department (Electrical and Electronic department/General electrical).

LANGUAGES :

1. Arabic language: language maternal.
2. English language: I have a certificate of TOFEL ITP Score 427 /600. “Good working knowledge”.

3. I have a certificate of A1 in French language; I took course in French Lang. Level B2 in C.U.I.F institute in Grenoble. “Good command of French”.
4. Courses in «FLE (français langue étrangère)» /ECOLES DOCTORALES/ Université de Bretagne occidentale.
5. Courses in «Anglais intensif» /ECOLES DOCTORALES/ Université de Bretagne occidentale.

EXPERIENCE, CERTIFICATES & COURSES :

1. Successfully participated in the advanced training course electrical machines held in Cairo Held in Cairo From August 01st till August 12th, 2009, Implemented by the Staff Training Institute (STI) in cooperation with Technology Competency Center (TCC); presented by the Productivity & Vocational Training Department (PVTD) under the auspices of the Ministry of Trade and Industry.
2. I have IC3 (Internet and computing core certification) and my score (77/100).
3. Systems: Windows NT/9X/2000/XP/Vista/7, All the Microsoft office.
4. Design of **Artificial intelligence** as **Neural Networks** for Power Systems, Application of **Genetic Algorithms** and **Particle Swarm Optimization** to obtain the optimization in power distribution and generation systems.
5. Computer languages (Matlab, turbo c, C++), computer network, (combination & maintenance parts of computer).
6. In power system stations, (generation, distribution, maintenance), Protection devices.
7. Design of electrical power systems using HOMER program.
8. Teaching (power systems, power electronics, control systems, reliability and protection.
9. Cours in «Elaborer son projet professionnel /ECOLES DOCTORALES/ Université de Bretagne occidentale.
10. Cours in «Maîtriser un logiciel de références bibliographiques : ZOTERO» /ECOLES DOCTORALES/ Université de Bretagne occidentale.
11. Cours in «Use the **latex** in the writing of scientific research » /ECOLES DOCTORALES/ Université de Bretagne occidentale.
12. Cours in «Techniques de communication – L’orateur en situation» /ECOLES DOCTORALES/ Université de Bretagne occidentale.
13. Successfully participated in "Doctors & Breton Companies 2016" organized by several youth associations researchers (Nicomachean and Dakodoc), that held Friday, June 17, 2016, in ISTIC Rennes – University of Rennes, France.

1. **“Optimal Shunt Capacitor Placement in Power Distribution System using a Genetic Algorithm”** Journal: IRAQI JOURNAL OF COMPUTERS, COMMUNICATION AND CONTROL & SYSTEMS ENGINEERING Year: 2004 Volume: 4 Issue: 1 Pages: 76-88”.
2. **"Select the optimal sensitivity factor in power distribution systems using a genetic algorithm"**, 10th scientific conference for foundation of technical education-Baghdad, March 2007.
3. **O.H. Mohammed, Y. Amirat, M.E.H. Benbouzid, G. Feld, "Hybrid Generation Systems Planning Expansion Forecast State of the Art Review: Optimal Design vs Technical and Economical Constraints,"** Journal of Electrical Systems, Vol.12, N.1, p.20–32, March 2016.
4. **O.H. Mohammed, Y. Amirat, M.E.H. Benbouzid, G. Feld, T. Tang and A.A. Elbaset, "Optimal Design of a Stand-Alone Hybrid PV/Fuel Cell Power System for the City of Brest in France,"** International Journal on Energy Conversion ,Vol.2, N.1, January 2014.
5. **O.H. Mohammed, Y. Amirat, M.E.H. Benbouzid, "Optimization of Hybrid Wind/ Tidal/ Battery Energy System using Particle Swarm Optimization for a Remote Area in Bretagne (France),"** Submitted to the IEEE Transactions on Power Delivery, March 2016.
6. **O.H. Mohammed, Y. Amirat, M.E.H. Benbouzid and T. Tang, "Hybrid Generation Systems Planning Expansion Forecast: A Critical State of The Art Review,"** in Proceedings of the IEEE IECON 2013 (International Conference of the IEEE Industrial Electronics Society), Vienna, Austria, p.1666-1671, November 2013.
7. **O.H. Mohammed, Y. Amirat, M.E.H. Benbouzid and A.A. Elbaset, "Optimal Design of a PV/Fuel Cell Hybrid Power System for The City of Brest in France,"** in Proceedings of the IEEE ICGE 2014 (The First International Conference on Green Energy, to be held in Sfax), Tunisia, March 2014.
8. **O.H. Mohammed, Y. Amirat, M.E.H. Benbouzid and G. Feld, "Optimal Design and Energy Management of HybridWind/Tidal/PV Power Generation System for a Remote Site in Bretagne (France),"**Accepted in IEEE IECON 2016, Florence (Italy), p. 1-5, October 2016.
9. **O.H. Mohammed, Y. Amirat, M.E.H. Benbouzid and T. Tang, "HOMER-based optimal design of a stand-alone hybrid PV/fuel cell power system for the city of Brest in France,"** in Proceedings of the 2014 ICIEM, Batna (Algeria), p. 401-406, May 2014.
10. **O.H. Mohammed, Y. Amirat, M.E.H. Benbouzid, "Cost Analysis and Design of Hybrid Renewable System for Stand Alone Site in Bretagne,"** dans les Actes de JCGE 2015 (Journée des Jeunes Chercheurs en Génie Électrique), Cherbourg (France), Juin 2015.
11. **O.H. Mohammed, Y. Amirat, M.E.H. Benbouzid and G. Feld, Chapter in the book entitled: Smart Energy Grid Design for Island Countries-Challenges and Opportunities by Springer "Optimal Design and Energy Management of a Hybrid Power Generation System based on Wind/Tidal/PV Sources: Case Study for the Ouessant French Island ",2017.**

12. **O.H. Mohammed, "Integration of a Hydropower-Solar-Batteries hybrid system for satisfying off-grid residential electrical load in Mosul, Iraq,"** 1st Scientific Conference for Renewable Energies in Institute of Hawija, Kirkuk(Iraq), March 7-8/3/2018.
13. **O.H. Mohammed, Y. Amirat, M.E.H. Benbouzid, G. Feld, "Economical Evaluation and Optimal Energy Management of a Stand-Alone Hybrid Energy System using Genetic Algorithm-based Strategies,"** Electronics, 2018, vol.7(10) p.p 233.
14. **O.H. Mohammed, " Optimal Hybridisation Of a Renewable System to Fulfill Residential Electrical Load: In Mosul, Iraq,"** to 3rd Scientific Conference of Electrical Engineering (SCEE2018) in University of Technology, Technically Sponsored by IEEE, Baghdad, Iraq.

Reviewer and Committee Member

1. Reviewer in the International Journal on Energy Conversion (**IRECON**).
2. Reviewer in the International Journal of Renewable Energy Research (**IJRER**).
3. Reviewer in the Third Science Conference of Electrical Engineering 2018 (**SCEE2018**).
4. Reviewer in the International Conference on Advanced Science and Engineering 2019 (**ICOASE2019**).
5. Reviewer in the 2nd international conference on electrical, communication, computer, power and control engineering (**ICECCPCE19**).
6. Reviewer in the 4th Scientific International Conference 2019 (**4th-SICN-2019**).
7. A member of the Scientific Committee of the 1st International Conference on Material Engineering & Science (**IConMEAS 2018**), held at Istanbul Aydin University, Istanbul - Turkey from 08 to 09 August 2018.
8. A member of the Scientific Committee (In the Technical Program (TPC) and Smart Grid Technologies (SGT)) of the 1st International Conference on Smart Cities and Smart Technologies (**MIC-Smart 2019**) will be held in Istanbul, Turkey in the period 7-9 June 2019.
9. A a member of the Scientific Committee (in TPC and Energy Systems and Nuclear Engineering (ESNE)) of the 1st International Congress on Engineering Technologies (**EngiTek 2019**) in the period 15-17 September 2019, FoE-JUST, Irbid, Jordan.

Scientific sites

1. **Google scholar:**
<https://scholar.google.com/citations?user=pEM31VYAAAAJ&hl=ar&authuser=2>
2. **ResearchGate:**
https://www.researchgate.net/profile/Omar_Mohammed24
3. **Scopus** Preview :
<https://www.scopus.com/authid/detail.uri?authorId=7005092219>
4. **Linkedin :**
<https://www.linkedin.com/in/dr-omar-hazem-mohammed-b6558445/?originalSubdomain=fr>
5. **ORCID**
<https://orcid.org/0000-0001-6960-6033>
6. **Mendeley**
<https://www.mendeley.com/profiles/omar-hazem-mohammed/>

7. Researcherid

<http://www.researcherid.com/ProfileView.action?returnCode=ROUTER.Unauthorized&Init=Yes&SrcApp=CR&queryString=KG0UuZjN5WknVAoomZdKlQkBhfGpHtkxCGFiuSX%252BdNo%253D>

Volunteer Activities and Sport:

- Working in local organizations to help students and the poor in Grenoble, France (EMF GRENOBLE).
- Design the photo and Art program as Photoshop, coral draw, Inkscape, etc.
- Montage the films.
- The Graphic programs.
- Installation, maintenance, repair and detection of mobile phones and computer software problems.
- Playing the football, swimming.
- Driving license of the car.