

## Curriculum Vitae

### Name Of. Person

**Layth Tawfeeq Abd Ali Al-Bahrani**

*Mustansiriyah University – College of Engineering*

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### PERSONAL SUMMARY:

- Working in the field of the power system operation and control, Voltage and frequency control, Optimal Power Flow, Modern optimization techniques, Matlab software.

### EDUCATION:

- **PhD** degree in the Electrical Power System Engineering from University POLITEHNICA of Bucharest, Romania/ the Faculty of Power Engineering, Electrical Power System department (2015).
- **M.Sc.** degree in the Electrical Power and Machine Engineering from University of Baghdad/ College of Engineering/ department of Electrical Engineering (1998).
- **B.Sc.** degree in the Electrical Engineering from the University of Baghdad/ College of Engineering/ department of Electrical Engineering (1995).

### ACADEMIC HONORS AND AWARDS:

- Acknowledgments from the Head of the University of Mustansiriyah.
- Acknowledgments from the Dean of the Collage of Engineering/ University of Mustansiriyah.
- Acknowledgments from the first Engineering Conference for Engineering Control, Computer and Mechatronics ,Department of Control Engineering and Systems / University of Technological

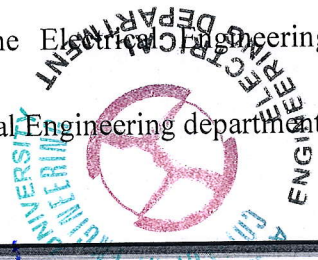
### ACADEMIC /TEACHING EXPERIENCE:

- I taught (Power System Analysis-Third stage ) at the Electrical Engineering department/ College of Engineering/ The University of Mustansiriyah for nine years since 2003 until I started the PhD program in 2013.
- I taught (Electrical Power and machine-Second stage) at the department of Electronic Engineering/ College of Engineering/ University of Diyala-Iraq for two years (2001 - 2003).
- I taught (Electrical Power-Third stage) in the department of Power and Machine Electrical Engineering/ Electrical and Electronic Technology College/ Foundation of Technical Education- Iraq for one year (2004-2005).
- Now I teaching the (Electrical Power System II-fourth stage) at the Electrical Engineering department/ College of Engineering/ The University of Mustansiriyah.
- I taught in the electrical machinery laboratory -Second stage in the Electrical Engineering department/ College of Engineering/ The University of Mustansiriyah.

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رئيس قسم الهندسة الكهربائية





- I teaching in the electrical power laboratory –Fourth- Third- Second stages in the Electrical Engineering department/ College of Engineering/ The University of Mustansiriyah.
- Before I start the PhD study, I have the lecture scientific degree and now I prepare for the Asst. Prof. scientific degree.

### COURSES TAUGHT:

Undergraduate	Graduate
1- Power System Analysis I 2- Power System Analysis II 3- Electrical Power and machine. 4- electrical power laboratory. 5- electrical machinery laboratory	None

### PROFESSIONAL AFFILIATIONS:

- Member of the examination committee (2007–2009) and (2016 until now) in the Electrical Engineering department/ College of Engineering/ The University of Mustansiriyah
- Supervisor of the Electrical Power laboratory- Fourth stage in the Electrical Engineering department/ College of Engineering/ The University of Mustansiriyah

### PUBLICATIONS:

I have 7 publications papers (Three into Iraq and Four papers out of Iraq), Two of these papers are publication in IEEE digital Library as Thomson group.

- **Al-Baharani Layth Tawfeeq** "Multi-area system of frequency and Tie-line interconnected Power Flow Control" Volume 14, Al-Mamoon Collage Journal, Iraq-Baghdad, 2009.
- **Al-Baharani Layth Tawfeeq** "Improvement of the Load Frequency Control using Pole-Placement Technique" The Engineering and Development Journal" part15, Volume 4, Iraq-Baghdad, 2010.
- **Al-Baharani Layth Tawfeeq** "Limitation & optimization of governor speed regulation factor of power system station" The first Engineering Conference for Engineering Control, Computer and Mechatronics which was held by the Department of Control Engineering and Systems / University of Technological, Iraq- Baghdad, 2011.
- **A. L. Tawfeeq and M. Eremia** "Reactive Power Optimization Based on Particle Swarm Optimization PSO" Cigre, Conference RSEEC 2014 Innovation for efficient and effective management, solutions for power system of the future, Bucharest, Romania, 8-10 October 2014.
- **A. L. Tawfeeq . and M. Eremia** "Reactive Power Optimization Based on Genetic Algorithm with new technique of mutation" IEEE, International Symposium Fundamental of Electrical Engineering (ISFEE), 2014, pp 1-5, Bucharest, Romania, 28-29 November 2014.
- **A. L. Tawfeeq and M. Eremia** "A new Technique of Reactive Power Optimization Random Selection Paths RSP" IEEE, Advanced Topics in Electrical Engineering (ATEE), 2015 9<sup>th</sup> International Symposium" pp 848-853, Bucharest, Romania, 7-9 May 2015.
- **A. L. Tawfeeq and V. Dumbrava** "Optimal Power Flow based on Particle Swarm Optimization" journal of the University POLITEHNICA of Bucharest, Scientific Bulletin, Series C, Vol. 78, Iss. 3, 2016.
- Prepare a mini book for the tests in the electrical power laboratory.

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## PROFESSIONAL DEVELOPMENT

- Certifications.
- IC3 and Tofel ITP
- Conferences.
- The first Engineering Conference for Engineering Control, Computer and Mechatronics, Department of Control Engineering and Systems / University of Technological, Iraq- Baghdad, 2011
- Cigre, conference RSEEC 2014 "Innovation for efficient and effective management, solutions for power system of the future, Bucharest, Romania, 8-10 October 2014.
- IEEE conference, International Symposium fundamental of Electrical Engineering (ISFEE), 2014, Bucharest, Romania, 28-29 November 2014.
- IEEE conference, Advanced Topics in Electrical Engineering (ATEE), 2015 9<sup>th</sup> International Symposium, Bucharest, Romania, 7-9 May 2015.
- Workshops.
- In 2002, I made a cooperated with the National Control Centre of the Ministry of Electricity in Iraq and I prepared a research about the Frequency Control in Power System.
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