Curriculum Vitae

- **Name:** Farhan Ahmed Khammas
- **Place and date of birth:** Iraq - Baghdad in 1961
- **Marital status:** Married
- **Address and phone number:** Iraq – Baghdad – Al-Saydia
  Mobile: 009647801167435
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- **Languages:** Arabic, English and Yogoslavic.

Profile:

I am a dedicated mechanical engineering professional holding a PhD in mechanical engineering (renewable energy), an MSc in mechanical engineering and a BSc mechanical engineering. I have published a number of academic papers in well-regarded international journals. Additionally, several subjects have been taught in the fields of mechanical engineering, wind energy, wind turbine designs and heat transfer. I have worked and lead projects in these fields as well.

Qualification:

- 1984 BSc in mechanical engineering/Engineering Academy/ Yugoslavia.
- 1986 MSc in mechanical engineering/Engineering Academy/ Yugoslavia.
- 2017 PhD in mechanical engineering/renewable energy/University Malaysia Perlis / Malaysia

Publications:

1. Khammas, F. A., Hussein Suffer, K., Usubamatov, R., & Mustaffa, M. T. (2015). Overview of Vertical Axis Wind Turbine (VAWT) is one of the Wind Energy Application. In-Applied Mechanics and Materials (Vol. 793, pp. 388-392). Trans Tech Publications.

2. Khammas, F. A. (2012). Optimization of Design of Vane Type Wind Turbine. ARPN Journal of Engineering and Applied Sciences. Vol. 7, No. 9, Issn 1819-6608.

3. Farhan A. Khammas, Mustaffa, M. ., U., R., Askar, K. H., Qasim, A. Y., & Quadir, G. A. (2015). Investigate The Effect of Different Design Parameter

on Performance Evaluation of Straight Blade vertical Axis Wind Turbine (SB-VAWT). International Journal of Engineering Technologies and Management Research, 2(4), 9–18. Issn: 2454-1907.

4. Farhan A. Khmamas. (2010). Improving the Environmental Cooling for Air-coolers by Using the Indirect-cooling Method. ARPN Journal of Engineering and Applied Sciences, Vol. 5, No. 2, Issn 1819-6608.

5. Usubamatov, R., Zain, Z. M., Bhuvenesh, R., & Khammas, F. (2010). New vane type wind turbine of high efficiency, CNGRT88. In Proceedings of World Engineering Congress (pp. 418-428).

6. Kadhim, H. S., Quadir, G. A., Farhan, A. K., Ryspek, U., & Ismail, K. A. (2015). Numerical Simulation for the Aerodynamics of Vertical Axis Wind Turbine with Two Different Rotors Having Movable Vanes. In-Applied Mechanics and Materials (Vol. 786, pp. 205-209). Trans Tech Publications.

7. R., U., M., Z. Z., A., K. F., & Younus, A. (2010). Impeller Type Wind Turbine. The Australian Institute of High Energetic Materials (ABN: 68 126 426 917).

8. Abdul Jabbar N. Khalifa, Ayad T. Mustafa and Farhan A. Khammas (2011). Experimental Study of Temperature Stratification in a Thermal Storage Tank in the Static Mode for Different Aspect Ratios. Vol. 6, No. 2, Issn 1819-6608.

Academic Work:

- Lecture in mechanical engineering department in following courses: Mechanical Engineering (static, strength of material, IC engines, heat transfer, fluid dynamic).
- Examine many B.SC students in the filed above.
- Supervisor for many B.SC students in the field of mechanical engineering department.
- Deputy Dean in college of engineering at Al-Nahrain University (2007-2010).

Experiences:

- Working in Ibn-Alhaithem Center for designs and researches/Ministry of industry (1991-1995).

- Working in Al-Karama State Company/Researches Center /Ministry of industry / (1992-1995).
- Working in Hutten State Company/Development and Researches Center/Ministry of industry (1995-2003).
- Working as a department chief in Ibn-Alhaitham Center for designs and researches.
- Working as a department chief in Hutten State Company/ Development and Researches Center.
- Working as a manager of quality control in Hutten State Company.
- Participating in making designs and manufacturing high-speed center fugal system more than 10,000 RPM.