

Curriculum Vitae

Personal Details

Name: Dr. Chalang H. R. Muhammad د. چه له‌نگ حمەرشید محمد

Date & Place of Birth: July 1st. 1976

Marital Status: Married, two children

Height: 176 cm

Weight: 65 kg

Contact Details:

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Postal Address: Mechanical Engineering Department - University of Salahaddin /Erbil – Iraq

General specialization: Mechanical Engineering

Specific specialization: Control System

Languages: English – Kurdish – Arabic

Education

2015 Ph.D. Mechanical Engineering, National University of Malaysia (UKM), Malaysia

2003 M.Sc. Mechanical Engineering, University of Salahaddin Erbil, Iraq.

1997 B.Sc. Mechanical Engineering, University of Salahaddin, Erbil, Iraq.

1993 Baccalaureate, Roshanbeer Secondary School, Suleimanyie, Iraq.

Employment History

2006 Dean assistant of College of Fine Arts

2005 Director of University's Student Dormitories.

2004 Assistant lecturer, Department of Mechanical Engineering, College of Engineering, University of Salahaddin.

1998 Lab Assistant, Department of Mechanical Engineering, College of Engineering, University of Salahaddin.

1997 Mechanical Engineer, Ministry of Works and Inhabitation , Directory of Erbil Roads and Bridges in charge of repair and maintenance of Equipments.

Membership of Professional Bodies

1997 Member of the Kurdistan Union of Engineers.

Research interests:

- Turbine Modelling and Controlling
- Turbine Optimum Behaviours (Best Efficiency Point)
- Constructing mechanical Controlling System
- Controllability
- Observability

Teaching Subjects:

M_{ATLAB} Programming, Descriptive Geometry, Automatic Control System, Fluid Machinery, Fluid Dynamics, Strength of Material and Engineering Drawing

Administrative Academic Activity:

- Member of the Examination Committee of Mechanical Engineering Dept 2005-2006
- Member of various Procurement Committee at the College of Engineering
- Member of Student Advising Committee since 2014

Significant Publications:

1. "Study of Control System of a small Pelton turbine", published in a "Zanco" Journal of Pure and Applied Sciences, Salahaddin University, Vol. 16, No. 5, 2004
2. Hamarasheed C. , Haris S.M. & Nopiah Z.M. 2012. Weighted multiple model adaptive *LQG* and *PI* control for a hydro turbine plant. *International Conference on Advanced Mechatronic Systems (ICAMechS)*: 656 – 661.
3. C. Hamarasheed, S.M. Haris & Z.M. Nopiah 2013. Weighted Multiple Model Adaptive PID Control with Crossover Frequency Shift Tuning for a Hydroturbine Plant. *Applied Mechanics and Materials* Vols. 278-280 (2013) pp 1644-1647
4. Mohammed, C. H. R., Haris, S. M. and Nopiah, Z. M. 2013. Multiple model adaptive control of a hydro turbine plant – performance of H^∞ , *LQG* and *PI* controllers. *Int. J. Advanced Mechatronic Systems*, 5(1): 47-58
5. Hamarasheed, C., Haris, S.M. and Nopiah, Z. M. 2014. Multiple model *P+I* with anti-windup control of a nonlinear hydro turbine. *ICIC Express Letters, ICIC International c 2010* ISSN 1881-803X, pp. 1-ISII2014-000, Received July 2014; accepted July 2014

Computer Skills:

Microsoft Word, Microsoft Excel, Microsoft Power Point, AutoCAD, M_{ATLAB}

Office Skills:

Fax, Telex: Internet Conferencing