

Assoc. Prof. DUY CHAU HUYNH, Ph.D.

Ho Chi Minh City University of Technology

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Ho Chi Minh City
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<http://huynhchauduy.com>

<http://scholar.google.com.vn/citations?user=ZMNoobAAAAAJ&hl=vi>

DUY C. Huynh was born on 20th May 1979 and received the B.E. and M.E. degrees in electrical engineering from University of Technology, Vietnam National University of Ho Chi Minh City, Vietnam, in 2001 and 2005, respectively, and Ph.D. degree from Heriot-Watt University, Edinburgh, United Kingdom, in 2010. He is currently a Senior Lecturer, Associate Professor, and his research interests include the areas of energy-efficient control and parameter estimation methods of induction machine drive systems, power systems, and renewable energy sources.

EDUCATION

- | | |
|--------------------|---|
| 2016 | Assoc. Prof., Electrical Engineering
The State Council for Professorship, Vietnam |
| 2007 – 2010 | Ph.D., Electrical Engineering
Heriot-Watt University, Edinburgh, United Kingdom |
| 2003 – 2005 | M.E., Electrical Engineering
University of Technology
Vietnam National University of Ho Chi Minh City, Ho Chi Minh City, Vietnam |
| 1996 – 2001 | B.E., Electrical Engineering
University of Technology
Vietnam National University of Ho Chi Minh City, Ho Chi Minh City, Vietnam |

EMPLOYMENT

- | | |
|--------------------|---|
| 2014 – Pre. | Ho Chi Minh City University of Technology (Full-time) |
| 2019 – Pre. | VGES Green Energy Solution Company, Ho Chi Minh City, Vietnam (Part-time) |
| 2018 – Pre. | EDUPRO Education Joint Stock Company, Ho Chi Minh City, Vietnam (Part-time) |
| 2012 – Pre. | Open University of Malaysia, Kuala Lumpur, Malaysia (Part-time) |
| 2001 – Pre. | University of Technology, Vietnam National University of Ho Chi Minh City,
Ho Chi Minh City, Vietnam (Part-time) |

MEMBERSHIP OF COMMITTEES

- [3] Member of the Board of Strategy for Master Plan of Vietnam's Higher Education Development period 2021 – 2030, with a vision to 2035, Vietnam Ministry of Education and Training, Vietnam Government, Vietnam
- [2] Member of the Institution of Engineering and Technology, U.K. (MIET)
- [1] Member of the Institute of Electrical and Electronics Engineers, U.S. (MIEEE)

AWARDS

- [8] Albert Nelson Marquis Lifetime Achievement Award, U.S., 2019
- [7] Albert Nelson Marquis Lifetime Achievement Award, U.S., 2018
- [6] Albert Nelson Marquis Lifetime Achievement Award, U.S., 2017
- [5] Who's Who in the World, U.S., 2016
- [4] Vietnam Intellectual Award, Innovation and Dedication, Vietnam Federation of UNESCO Associations, 2016
- [3] Scholarship for Scientific Research and Publication of University of Technology, Vietnam National University of Ho Chi Minh City, 2012
- [2] IEEE Scholarship of IEEE International Symposium on Industrial Electronics, 2010
- [1] Full Scholarship of Vietnam Government for Doctor of Philosophy Program in United Kingdom, 2007 – 2010

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PROFESSIONAL EXPERIENCE

- 2016 – Pre. **Director (Full-time)**
Institute of Post-Graduate Studies
Ho Chi Minh City University of Technology, Ho Chi Minh City, Vietnam
- 2019 – Pre. **Technical Consultant (Part-time)**
VGES Green Energy Solution Company, Ho Chi Minh City, Vietnam
- 2018 – Pre. **Educational Consultant (Part-time)**
EDUPRO Education Joint Stock Company, Ho Chi Minh City, Vietnam
- 2015 – 2016 **Deputy Head**
Department of Scientific Management and Post-Graduate Studies
Ho Chi Minh City University of Technology, Ho Chi Minh City, Vietnam
- 2013 – 2015 **Vice Director**
Institute of International Education
Ho Chi Minh City University of Technology, Ho Chi Minh City, Vietnam
- 2013 – Pre. **Senior Lecturer (Part-time)**
Department of Electrical Engineering
Ho Chi Minh City University of Technology, Ho Chi Minh City, Vietnam
- 2013 – Pre. **Visiting Lecturer**
Department of Power Systems
University of Technology
Vietnam National University of Ho Chi Minh City, Ho Chi Minh City, Vietnam
- 2012 – Pre. **Visiting Lecturer**
School of Engineering
Open University of Malaysia, Kuala Lumpur, Malaysia
- 2011 – 2012 **Deputy Head**
Department of Power Systems
University of Technology
Vietnam National University of Ho Chi Minh City, Ho Chi Minh City, Vietnam
- 2010 – 2013 **Senior Lecturer**
Department of Power Systems
University of Technology
Vietnam National University of Ho Chi Minh City, Ho Chi Minh City, Vietnam
- 2007 – 2010 **Researcher (Ph.D. student)**
Department of Electrical, Electronic and Computer Engineering
Heriot-Watt University, Edinburgh, United Kingdom
- 2003 – 2007 **Lecturer**
Department of Power Systems
University of Technology
Vietnam National University of Ho Chi Minh City, Ho Chi Minh City, Vietnam
- 2001 – 2003 **Assistant Lecturer**
Department of Power Systems
University of Technology
Vietnam National University of Ho Chi Minh City, Ho Chi Minh City, Vietnam

RESEARCH INTERESTS

Energy-efficient control and parameter estimation approaches of induction machine drive systems, power systems, and renewable energy sources

PUBLICATION

2020

[42] **Duy C. Huynh**, Loc D. Ho, and Matthew W. Dunnigan, "Optimization of economic environmental and social benefits for integrated energy systems", *Journal of Engineering Science and Technology*, 2020 (accepted at the 1st round).

[41] Duong M. Bui, Phuc D. Le, Cuong N. Cao, Phuong T. Nguyen, and **Duy C. Huynh**, "A novel statistic data-filtering method proposed for short-term load forecasting models", *Journal of Electrical Systems*, 2020 (submitted).

[40] **Duy C. Huynh**, Thanh H. Truong, Anh V. Truong and Matthew W. Dunnigan, "A novel fault location technique for transmission lines of a power system based on a language of an optimization problem", *Advances in Intelligent Systems and Computing*, Springer, 2020 (accepted).

[39] **Duy C. Huynh**, Loc D. Ho and Matthew W. Dunnigan, "Parameter estimation of solar photovoltaic arrays using an artificial bee colony algorithm", *Advances in Intelligent Systems and Computing*, Springer, 2020 (accepted).

2019

[38] **Duy C. Huynh**, Hong V. Nguyen and Matthew W. Dunnigan, "Detailed non-linear constrained multi-objective optimal operation of power systems including renewable energy sources", *Lecture Notes in Electrical Engineering*, Springer, Vol. 632, ISSN 1876-1100, ISBN 978-981-15-2316-8, pp. 795-808, 2019.

[37] **Duy C. Huynh**, Khai H. Nguyen and Matthew W. Dunnigan, "Development of maximum power point tracking for doubly-fed induction generators in wind energy conversion systems", *Lecture Notes in Electrical Engineering*, Springer, Vol. 632, ISSN 1876-1100, ISBN 978-981-15-2316-8, pp. 669-679, 2019.

[36] **Duy C. Huynh**, Thanh H. Truong, Anh V. Truong and Matthew W. Dunnigan, "Development of fault location for distributed parameter transmission lines of a power system", *Proceedings of the IEEE International Conference on High Voltage Engineering and Power System 2019, ICHVEPS 2019*, Bali, Indonesia, pp. 1-4, 1-4 October 2019.

[35] **Duy C. Huynh**, Nam T. Nguyen and Matthew W. Dunnigan, "Novel runner-root algorithm based maximum power point tracking approach for permanent magnetic synchronous generator direct-driven wind energy conversion systems", *Proceedings of the IEEE International Conference on High Voltage Engineering and Power System 2019, ICHVEPS 2019*, Bali, Indonesia, pp. 12-16, 1-4 October 2019.

[34] **Duy C. Huynh** "Oriented model of University – Industry linkages in the context of the industrial revolution 4.0", *The 6th Taiwan – Vietnam Education Forum*, Hanoi, Vietnam, December 2019.

[33] **Duy C. Huynh**, "Overview of Vietnam landscape: University Industry Collaboration", *British Council Conference on Building Effective University Links for Industry Engagement – Learning from Vietnam and United Kingdom Successful Models*, Ho Chi Minh City, Vietnam, June 2019.

2018

[32] **Duy C. Huynh**, "Vietnam: Public – Private partnerships in Higher Education", *World Bank Conference on Higher Education Strategy Stakeholder Consultation*, Hanoi, Vietnam, 2018.

2016

[31] **Duy C. Huynh** and Matthew W. Dunnigan, "Development and comparison of an improved incremental conductance algorithm for tracking the MPP of a solar PV panel", *IEEE Transactions on Sustainable Energy*, Vol. 7, No. 4, ISSN 1949-3029, pp. 1421-1429, 2016.

[30] **Duy C. Huynh** and Loc D. Ho, "Improved PSO algorithm based optimal operation in power systems integrating solar and wind energy sources", *International Journal of Energy, Information and Communications*, Vol. 7, No. 2, ISSN 2093-9655, pp. 9-20, 2016.

[29] **Duy C. Huynh** and Loc D. Ho, "Improved PSO algorithm based flux optimization strategy in induction machine drive systems", *International Journal of Engineering and Technical Research*, Vol. 4, No. 2, ISSN 2454-4698, pp. 66-70, 2016.

[28] **Duy C. Huynh** and Loc D. Ho, "Optimal generation rescheduling of hybrid power systems with solar and wind energy sources using a dynamic PSO algorithm", *International Advanced Research Journal in Science, Engineering and Technology*, Vol. 3, No. 1, ISSN 2394-1588, pp. 73-78, 2016.

2015

[27] **Duy C. Huynh** and Matthew W. Dunnigan, "Maximum power point tracking using an adaptive perturbation and observation algorithm for a grid-connected solar photovoltaic system", *International Journal of Grid and Distributed Computing*, Vol. 8, No. 3, ISSN 2005-4262, pp. 97-110, 2015.

[26] **Duy C. Huynh** and Nirmal Nair, "Chaos PSO algorithm based economic dispatch of hybrid power systems including solar and wind energy sources", *Proceedings of the IEEE Conference on Innovative Smart Grid Technologies 2015, ISGT-ASIA 2015*, Bangkok, Thailand, pp. 1-6, 4-6 November 2015.

[25] **Duy C. Huynh** and Nirmal Nair, "Economic dispatch integrating wind power generation farms using cuckoo search algorithm", *Proceedings of the IEEE Conference on Innovative Smart Grid Technologies 2015, ISGT-ASIA 2015*, Bangkok, Thailand, pp. 7-12, 4-6 November 2015.

2014

[24] **Duy C. Huynh**, "Gauss-PSO parameter identification algorithm for single-phase induction motors", *International Journal of Science and Research*, Vol. 3, No. 9, ISSN 2319-7064, pp. 2360-2364, 2014.

[23] **Duy C. Huynh**, "MPPT of solar PV panels using Chaos PSO algorithm under varying atmospheric conditions", *International Journal of Engineering Trends and Technology*, Vol. 15, No. 8, ISSN 2231-5381, pp. 383-388, 2014.

[22] **Duy C. Huynh**, "An improved incremental conductance maximum power point tracking algorithm for solar photovoltaic panels", *International Journal of Science and Research*, Vol. 3, No. 10, ISSN 2319-7064, pp. 342-347, 2014.

2013

[21] **Duy C. Huynh** and Matthew W. Dunnigan, "An energy efficient control strategy of an induction machine based on advanced particle swarm optimization algorithms", *International Journal of Advances in Engineering and Technology*, Vol. 6, No. 1, ISSN 2231-1963, pp. 481-497, 2013.

[20] **Duy C. Huynh**, Tuong M. Nguyen, Matthew W. Dunnigan and Markus A. Mueller, "Comparison between open- and closed-loop trackers of a solar photovoltaic system", *Proceedings of the IEEE International Conference on Clean Energy & Technology 2013, CEAT 2013*, Langkawi, Malaysia, pp. 127-132, 18-20 November 2013.

[19] **Duy C. Huynh**, Tuong M. Nguyen, Matthew W. Dunnigan and Markus A. Mueller, "Global MPPT of solar PV modules using a dynamic PSO algorithm under partial shading conditions", *Proceedings of the IEEE International Conference on Clean Energy & Technology 2013, CEAT 2013*, Langkawi, Malaysia, pp. 133-138, 18-20 November 2013.

[18] **Duy C. Huynh**, Thu A. T. Nguyen, Matthew W. Dunnigan and Markus A. Mueller, "Maximum power point tracking of solar photovoltaic panels using advanced perturbation and observation

algorithm”, *Proceedings of the 8th IEEE Conference on Industrial Electronics and Applications 2013, ICIEA 2013*, Melbourne, Australia, pp. 864-869, 19-21 June 2013.

[17] **Duy C. Huynh**, Thoai N. Nguyen, Matthew W. Dunnigan and Markus A. Mueller, “Dynamic particle swarm optimization algorithm based maximum power point tracking of solar photovoltaic panels”, *Proceedings of the 22nd IEEE International Symposium on Industrial Electronics 2013, ISIE 2013*, Taipei, Taiwan, pp. 1-6, 28-31 May 2013.

2012

[16] **Duy C. Huynh** and Matthew W. Dunnigan, “Advanced particle swarm optimization algorithms for parameter estimation of a single-phase induction machine”, *International Journal of Modelling, Identification and Control*, Inderscience Publishers, Vol. 15, No. 4, ISSN 1746-6180, pp. 227-240, 2012.

2011

[15] **Duy C. Huynh**, Bach H. Dinh, Matthew W. Dunnigan, Thu A. T. Nguyen, and Nam H. Le, “Parameter estimation of a single-phase induction machine using a dynamic particle swarm optimization algorithm”, *Proceedings of the IEEE Power Engineering and Automation Conference, PEAM 2011*, Wuhan, China, pp. 183-186, 8-9 September 2011.

[14] Bach H. Dinh, Duy H. Vo, and **Duy C. Huynh**, “A novel on-line training solution using a radial basis function network to modify the inverse kinematic approximation of a robot-vision system”, *Proceedings of the IEEE Power Engineering and Automation Conference, PEAM 2011*, Wuhan, China, pp. 262-265, 8-9 September 2011.

2010

[13] **Duy C. Huynh** and Matthew W. Dunnigan, “Parameter estimation of an induction machine using advanced particle swarm optimization algorithms”, *IET Journal on Electric Power Applications*, Vol. 4, No. 9, ISSN 1751 - 8660, pp. 748-760, 2010.

[12] **Duy C. Huynh**, Matthew W. Dunnigan, and Stephen J. Finney, “Energy efficient control of an induction machine using a chaos particle swarm optimization algorithm”, *Proceedings of the IEEE International Conference on Power and Energy, PECon 2010*, Kuala Lumpur, Malaysia, pp. 450-455, 29 November-1 December 2010.

[11] **Duy C. Huynh**, Matthew W. Dunnigan, and Stephen J. Finney, “On-line parameter estimation of an induction machine using a recursive least-squares algorithm with multiple time-varying forgetting factors”, *Proceedings of the IEEE International Conference on Power and Energy, PECon 2010*, Kuala Lumpur, Malaysia, pp. 444-449, 29 November-1 December 2010.

[10] **Duy C. Huynh** and Matthew W. Dunnigan, “Parameter estimation of an induction machine using a dynamic particle swarm optimization algorithm”, *Proceedings of the IEEE International Symposium on Industrial Electronics, 2010, ISIE 2010*, Bari, Italy, pp. 1414-1419, 4-7 July 2010.

[9] **Duy C. Huynh** and Matthew W. Dunnigan, “Parameter estimation of an induction machine using a chaos particle swarm optimization algorithm”, *Proceedings of the 5th IET International Conference on Power Electronics, Machines and Drives, PEMD 2010*, Brighton, U.K., pp. 1-6, 19-21 April 2010.

2007

[8] Loc D. Ho, **Duy C. Huynh**, and Vu A. Tran, “Remote check and statistic electrical energy”, *Journal on Science and Technology Development*, Vietnam, Vol. 5, No. 10, ISSN 1859 - 0128, pp. 51-56, 2007.

2006

[7] Viet H. Nguyen, **Duy C. Huynh**, and Vu A. Tran, “Software of the remote control and data acquisition in power systems”, *Journal on Electrical Science and Technology*, Vietnam, No. 2, ISSN 0686 - 3883, pp. 77-83, 2006.

2005

[6] **Duy C. Huynh**, Minh Q. Huynh, and Loc D. Ho, "Transient stability analysis of a multi-machine power system", *Proceedings of the 9th Conference on Science and Technology*, Ho Chi Minh City, Vietnam, pp. 191-196, 11-12 October 2005.

[5] **Duy C. Huynh** and Tu P. Vu, "Voltage collapse prediction for power systems", *Proceedings of the 6th International Scientific Conference on Electric Power Engineering, EPE2005*, Kouty nad Desnou, Czech Republic, pp. 15-21, 30 May - 1 June 2005.

[4] **Duy C. Huynh**, Tu P. Vu, and J. Tlustý, "Transient stability analysis of a multi-machine power system using artificial neural networks", *Proceedings of the 3rd International Scientific Symposium ELEKTROENERGETIKA 2005*, Stara Lesna, Slovakia, pp. 1-6, 21-23 September 2005.

2004

[3] Loc D. Ho, Luong V. Nguyen, **Duy C. Huynh**, and Ha T. Tran, "Artificial neural network based diagnosing insulating of turbine generator", *Proceedings of the 2004 International Symposium on Advanced Science and Engineering*, Ho Chi Minh City, Vietnam, pp. 49-53, 20-21 May 2004.

2003

[2] Loc D. Ho, Cuong C. Ngo, and **Duy C. Huynh**, "An adaptive RBF network controller for robot-manipulator", *Proceedings of the International Conference on Mechatronics and Information Technology, ICMIT 2003*, Jecheon, Korea, pp. 103-105, 4-6 December 2003.

[1] **Duy C. Huynh**, "Genetic algorithm based optimal power flow in power systems", *Proceedings of the 4th Youth Science and Technology Conference, 2003*, Ho Chi Minh City, Vietnam, pp. 68-72, 30 June 2003.

BOOKS

[5] **Duy C. Huynh** and Loc D. Ho, "Renewable energy and environmental protection", *Vietnam National University of Ho Chi Minh City Publishing House, Vietnam*, 2016, ISBN: 978-604-73-3940-2.

[4] **Duy C. Huynh** and Loc D. Ho, "Solutions for energy saving", *Construction Publishing House, Vietnam*, 2014, ISBN: 978-604-82-1355-8.

[3] **Duy C. Huynh** and Matthew W. Dunnigan, "Off-line and on-line parameter estimation of induction machines: advanced particle swarm optimization algorithms and advanced recursive least-squares algorithms", *Lambert Academic Publishing House, Germany*, 2011, ISBN: 978-3-8443-9631-7. **(Sold on Amazon at <https://www.amazon.com/Off-line-Parameter-Estimation-Induction-Machines/dp/3844396314>)**

[2] Viet H. Nguyen, Binh T. T. Nguyen and **Duy C. Huynh**, "Short-circuit and stability in power systems", *Vietnam National University of Ho Chi Minh City Publishing House, Vietnam*, 2008, ISBN: 978-604-73-1838-4.

[1] Loc D. Ho, Linh H. Tran, **Duy C. Huynh**, Thai T. M. Pham and Ngoc H. Tran, "Operation and control power systems experiment in power systems", *Vietnam National University of Ho Chi Minh City Publishing House, Vietnam*, 2004.

RESEARCH GRANTS

[9] Loc D. Ho (Project Leader), **Duy C. Huynh (Co-Project Leader)**, etc., Researching and proposing for models and policies for improving the effectiveness of university and industry linkages in the context of the industrial revolution 4.0 in Vietnam, Policy Research Project, Vietnam Ministry of Education and Training, 2018 - 2020 (**Research funding: 4 Billions VND ~ 180.000 USD**).

[8] **Duy C. Huynh (Project Leader)**, etc., Researching and application of Matlab/Simulink software for teaching activities of renewable energy subject, Applied Research Project, Ho Chi Minh City University of Technology (HUTECH), 2014-2015 (**Research funding: 10 Millions VND ~ 450 USD**).

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[7] **Duy C. Huynh (Project Leader)**, etc., Researching for a connection solution of solar photovoltaic systems to grid, Applied Research Project, Ho Chi Minh City University of Technology (HUTECH), 2014-2015 (**Research funding: 15 Millions VND ~ 650 USD**).

[6] **Duy C. Huynh (Project Leader)**, etc., Researching and proposing for a maximum power point tracking algorithm of solar photovoltaic systems, Applied Research Project, Ho Chi Minh City University of Technology (HUTECH), 2013 - 2014 (**Research funding: 15 Millions VND ~ 650 USD**).

[5] Loc D. Ho (Project Leader), **Duy C. Huynh (Co-Project Leader)**, etc., Scientific and technological development planning of Tay Ninh province to 2020, with a vision to 2030, Research Project, People's Committee of Tay Ninh province, 2013 - 2014 (**Research funding: 186,329 Millions VND ~ 8.000 USD**).

[4] **Duy C. Huynh (Project Leader)**, etc., Research and design of adaptive and optimal solar photovoltaic power system, Applied Research Project, University of Technology, Vietnam National University of Ho Chi Minh City, 2012 - 2013 (**Research funding: 40 Millions VND ~ 1.800 USD**).

[3] **Duy C. Huynh (Project Leader)**, etc., Remote check and statistic electrical energy, Applied Research Project, University of Technology, Vietnam National University of Ho Chi Minh City, 2005 - 2006 (**Research funding: 15 Millions VND ~ 650 USD**).

[2] Loc D. Ho (Project Leader), **Duy C. Huynh (Co-Project Leader)**, etc., Design and Implementation of a data measurement and processing system via a computer for power plant model, Applied Research Project, University of Technology, Vietnam National University of Ho Chi Minh City, 2003 - 2004 (**Research funding: 15 Millions VND ~ 650 USD**).

[1] Loc D. Ho (Project Leader), **Duy C. Huynh (Co-Project Leader)**, etc., Research and application of artificial neural networks to control robot arms, Applied Research Project, University of Technology, Vietnam National University of Ho Chi Minh City, 2003 - 2004 (**Research funding: 45 Millions VND ~ 1.900 USD**).

PROJECTS

[3] **Duy C. Huynh (Project Leader)**, etc. Design and Installation: Rooftop solar photovoltaic power system at Hospital of District 2 of Ho Chi Minh City, Vietnam, Applied Research Project, 2019 (**Project funding: ~ 5,6 Billions VND ~ 245.000 USD**).

[2] **Duy C. Huynh (Project Leader)**, etc. Design and Installation: Rooftop solar photovoltaic power system at Hospital of District 11 of Ho Chi Minh City, Vietnam, Applied Research Project, 2019 (**Project funding: ~ 1,1 Billions VND ~ 48.000 USD**).

[1] Loc D. Ho (Project Leader), **Duy C. Huynh (Co-Project Leader)**, etc., Research and manufacture of electric motor control device in energy saving mode, Technology Incubation Project, University of Technology, Vietnam National University of Ho Chi Minh City, 2008 - 2009 (**Project funding: 380 Millions VND ~ 17.000 USD**).

PERSONAL TEACHING STATEMENT

My teaching objectives are:

To stimulate interest and disseminate advances in electrical engineering in general and renewable energy in particular;

To give students the confidence to apply the fundamental principles of electrical engineering to real-life engineering problems; and

To explore teaching methodologies which enhance the learning environment for the students.

CURRICULUM AND SYLLABUS DEVELOPMENT

I have written and developed my own lecture courses rather than use previous course notes. The content in each course is presented in a logical manner, and examples or case studies are used where possible to illustrate the principles taught. I use examples from my own research to illustrate the use of fundamental principles in lecture courses at all levels. Laboratory scripts have also been modified to encourage the students to answer and ask more questions rather than follow a recipe.

TEACHING EXPERIENCE

Teaching Responsibilities - Post-graduate Classes

Renewable Energy and Environmental Protection

Ho Chi Minh City University of Technology, Ho Chi Minh City, Vietnam

Control and Operation in Power Systems

Ho Chi Minh City University of Technology, Ho Chi Minh City, Vietnam

Research Methodology in Engineering

Open University Malaysia, Kuala Lumpur, Malaysia

Doctoral Seminar in Engineering

Open University Malaysia, Kuala Lumpur, Malaysia

Teaching Responsibilities - Under-graduate Classes

Power Systems Engineering

University of Technology, Vietnam National University of Ho Chi Minh City, Vietnam

Student Supervision

Completed

Supervision of 47 Master program's students in the areas of energy efficient control and parameter estimation methods of induction machine drive systems, power systems and renewable energy sources

In progress

Supervision of 2 Ph.D. program's students in the areas of energy efficient control of renewable energy sources

SERVICE

Reviewer for Journals

- [6] BEEI Bulletin of Electrical Engineering and Informatics
- [5] IET Journal of Electric Power Applications
- [4] IEEE Transactions on Sustainable Energy
- [3] IEEE Transactions on Industrial Electronics
- [2] IEEE Transactions on Power Systems
- [1] Elsevier Journal of Engineering Applications of Artificial Intelligence

Reviewer for Conferences

- [20] International Conference Series on Engineering, Science and Information Technology, ESIT 2020
- [19] IEEE International Conference on High Voltage Engineering and Power Systems, ICHVEPS 2019
- [18] International Conference on Electrical, Control and Computer Engineering, InECCE 2019
- [17] IEEE International Conference on System Science and Engineering, ICSSE 2019
- [16] IEEE International Conference on Green Technology and Sustainable Development, GTSD 2018
- [15] IEEE International Conference on Power System Technology, POWERCON 2018
- [14] International Conference on Power Generation Systems and Renewable Energy Technologies, PGSRET 2017
- [13] IEEE PES Asia-Pacific Power and Energy Engineering Conference, APPEEC 2016
- [12] IEEE Conference on Innovative Smart Grid Technologies, ISGT-ASIA 2015
- [11] IEEE International Conference on Industrial Technology, ICIT 2015
- [10] IEEE PES Asia-Pacific Power and Energy Engineering Conference, APPEEC 2014
- [9] IEEE International Symposium on Industrial Electronics, ISIE 2013
- [8] IEEE Conference on Industrial Electronics and Applications, ICIEA 2013
- [7] IEEE Conference on Clean Energy and Technology, CEAT 2013
- [6] IEEE Conference on Power Engineering and Renewable Energy, ICPERE 2012
- [5] IEEE Applied Power Electronics Colloquium, IAPEC 2011

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- [4] IEEE International Conference on Power Electronics, ICPE 2011
- [3] IEEE International Power Engineering and Optimization Conference, PEOCO 2011
- [2] IEEE Power Engineering and Automation Conference, PEAM 2011
- [1] IEEE International Power and Energy Conference, PECon 2010

LANGUAGE SKILLS

English Excellent knowledge
Vietnamese Mother tongue

COMPUTER SKILLS

Matlab, LabView, Microsoft Office

HOBBIES

Swimming;
Playing piano; and
Traveling.

REFERENCES

Prof. Matthew W. Dunnigan

Department of Electrical, Electronic and Computer Engineering
Heriot-Watt University
Edinburgh, EH14 4AS, United Kingdom
E-mail: M.W.Dunnigan@hw.ac.uk
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Prof. Markus A. Muller

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The University of Edinburgh
Edinburgh, EH9 3JL, United Kingdom
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Prof. Stephen J. Finney

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University of Strathclyde
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Prof. Nirmal Nair

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Prof. Loc D. Ho

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