

ประวัติผู้วิจัย

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สาขาวิชาการที่มีความชำนาญพิเศษ (แตกต่างจากวุฒิการศึกษา) ระบุสาขาวิชาการ
Power System, Power System Protection, Application of Wavelet Transform to power system protection, Artificial Neural Networks

ผลงานวิจัยย้อนหลัง 5 ปีและผลงานวิจัยอื่นๆ (เช่น Proceedings หนังสือ ฯลฯ)

(a) Journals

1. A. Ngaopitakkul and A. Kunakorn, "Selection of Proper Activation Function in Back-propagation neural networks algorithm for Transformer Internal Fault Locations," *International Journal of Computer and Network Security*, Vol. 1, No. 2, pp. 47-55. (Impact factor 2009 = 0.00)

(b) International Conference Papers

1. A. Ngaopitakkul, C. Apisit, C. Pothisarn, C. Jettanasen and S. Jaikhan, "Identification of Fault Location in Underground Distribution System using Discrete Wavelet transform" *In Proceedings of 2010 International MultiConference on Engineering and Computer Scientists 2010(IMECS2010)*, Hong Kong, March 2009.

2. C. Apisit, and A. Ngaopitakkul, "Identification of Fault Types for Underground Cable using Discrete Wavelet transform" In *Proceedings of 2010 International MultiConference on Engineering and Computer Scientists 2010(IMECS2010)*, Hong Kong, March 2009.
3. C. Pothisarn, and A. Ngaopitakkul, "Application of Discrete Wavelet Transform for fault location on Transmission Network Systems" In *Proceedings of the 8th IET International Conference on Advances in Power System Control, Operation and Management (APSCOM2009)* , Paper No. APSCOM2009-47, Hong Kong, November 2009.
4. C. Pothisarn, and A. Ngaopitakkul, "Discrete Wavelet Transform and Back-propagation Neural Networks Algorithm for Fault Classification on Transmission Line" In *Proceedings of IEEE International Conference on Transmission and Distribution (T&D Asia 2009)*, Korea, October 2009.
5. P. Chiradeja, and A. Ngaopitakkul, "Identification of Fault Types for Single Circuit Transmission Line using Discrete Wavelet transform and Artificial Neural Networks" In *Proceedings of 2009 International MultiConference on Engineering and Computer Scientists 2009 (IMECS2009)*, Hong Kong, March 2009.
6. A. Ngaopitakkul and C. Pothisarn, "Discrete Wavelet Transform and Back-propagation neural networks algorithm for fault location on Single-circuit transmission line" In *Proceedings of 2004 International Conference on Robotics and Biomimetics (ROBIO2008)*, Thailand, February 2009.
7. A. Ngaopitakkul, W. Pongchaisrikul, and A.Kunakorn, "Analysis of Characteristics of Simultaneous Faults in Electrical Power Systems using Wavelet Transform," In *Proceedings of the 1st International Conference Sustainable Energy Technologies (ICSET2008)*, Singapore, November 2008.
8. T. Patcharoen, A. Ngaopitakkul and A.Kunakorn, "Identification of fault types for a three-bus transmission network using Discrete Wavelet Transform and Probabilistic Neural Networks," In *Proceedings of the 8th International Power Engineering Conference (IPEC2007)*, Paper No. conf122a641, Singapore, December 2007.

(c) National Conference Papers

1. A. Ngaopitakkul, S. Jonpermpoonpol and C. Pothisarn, "Studies of Turn to turn Fault in Power Transformer Using Discrete Wavelet Transform," In *Proceedings of the 32th Electrical Engineering Conference (EECON32)*, Vol. 1, pp.391-394, 28-30 October 2009.
2. S. Jonpermpoonpol, A. Ngaopitakkul, "Studies of Winding to ground Fault in Power Transformer Using Discrete Wavelet Transform," In *Proceedings of the 32th Electrical Engineering Conference (EECON32)*, Vol. 1, pp.383-386, 28-30 October 2009.
3. S. Surisunthon, A. Ngaopitakkul, "Miscalculation Fault location due to behavior of Simultaneous Faults in Electrical Power Transmission Systems Using Discrete Wavelet Transform," In *Proceedings of the 32th Electrical Engineering Conference (EECON32)*, Vol. 1, pp.239-242, 28-30 October 2009.

4. W. Pongchaisrikul, A. Ngaopitakkul, and A.Kunakorn, "Studies of Characteristics of Simultaneous Faults in Electrical Power Transmission Systems Using Discrete Wavelet Transform," In *Proceedings of the 31st Electrical Engineering Conference (EECON31)*, Vol. 1, 25-26 October 2008.
5. A. Ngaopitakkul, T. Patcharoen, A.Kunakorn, and S. Bunjongjit, "Application of Discrete Wavelet Transform and Probabilistic Neural Networks for Detecting Fault Location in Electrical Transmission Systems," In *Proceedings of the 30th Electrical Engineering Conference (EECON30)*, Vol. 1, Paper PW074, 25-26 October 2007.

(d) Book

1. Atthapol Ngaopitakkul, "Electrical Transmission Systems," Ladkrabang Book, 2009, ISBN 978-974-8308-98-2.

ประวัติการทำงานที่สำคัญ และ Professional Activities

Reviewer : The 11th International Workshop on Advanced Motion Control (AMC2010), Nagaoka, Japan.

Reviewer : ECTI Transactions on Electrical Engineering, Electronics, Communication.

Reviewer : IEEE International Conference on Robotics and Biomimetics (ROBIO2008), Bangkok, Thailand, 2008.

Committee : IEEJ-EIT Joint Symposium : Advanced Technology in Power Systems (2008-2009)

Committee : Illuminating Engineering Association of Thailand (TIEA) (Jan 2008 – Present)

Committee : Thai Mechanical and Electrical Design and Consulting Engineer Association (MECT) (Oct 2008 – Present)

ประสบการณ์ที่เกี่ยวข้องกับการบริหารงานวิจัยทั้งภายในและภายนอกประเทศ

Dec 2009 – Nov 2011	Head of Research Project "An Application of Discrete Wavelet Transform and Artificial Intelligent Algorithm for Simultaneous Fault Diagnosis in Electrical Power Transmission Systems" {Supported by the King Mongkut's Institute of Technology Ladkrabang Fund, Thailand}
Oct 2009 – Sep 2010	Head of Research Project "Fault Diagnosis in Underground Cable Systems using Discrete Wavelet Transform" {Supported by the Faculty of Engineering Fund, King Mongkut's Institute of Technology Ladkrabang, Thailand}
Oct 2008 – Sep 2009	Researcher of Project "Fault Analysis on Single Circuit Transmission line Using Discrete Wavelet Transform and Fuzzy Logic" {Supported by the Faculty of Engineering Fund, Srinakarinwirot, Thailand}
Oct 2007 – Sep 2008	Researcher of Project "An Application of Discrete Wavelet Transform and Neural Network for Fault Diagnosis in Transmission Systems" {Supported by the Faculty of Engineering Fund, Srinakarinwirot, Thailand}