

ประวัติและผลงาน

1. ชื่อและนามสกุล

ชื่อ นาย ธเนศ นามสกุล อังสุวัฒนากุล
ตำแหน่งทางวิชาการ อาจารย์

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2. ประวัติการศึกษา

2012 – present

Graduate School of Systems Life Sciences, Kyushu University

2004 – 2007

Master of Engineering (Biomedical Electronics Engineering)

King Mongkut's Institute of Technology Ladkrabang, 2007

Thesis title : X – ray image capturing using phototransistor

1997 – 2001

Bachelor of Engineering (Electrical Engineering)

King Mongkut's Institute of Technology Ladkrabang, 2001

Project title : Emergency light system with Microcontroller

3. ประวัติการทำงาน

December 2007 – present

Instructor of College of Biomedical Engineering, Rangsit University

Main Instructor : Biomedical Electronics, Microprocessor and Programming,

Principles of Design and Construction of Biomedical Instruments

December 2001 – December 2004

Engineer of Accelerator Technology Division,

Synchrotron Light Research Institute (Public Organization)

4. งานสอน

Biomedical Electronics

Principles of Design and Construction of Biomedical Instruments

Signal and Image Processing

Mathematics for Biomedical Engineering

Senior Project

5. ผลงานตีพิมพ์เผยแพร่ผลงานวิจัยและบทความทางวิชาการ

- T. Angsuwatanakul, T. Chanwimalueang, C. Pintavirooj, M. Sangworasil and P. Lertprasert, "Improve – resolution X – ray Array Detectors Applied for SART Fanbeam," International Symposium on Communications and Information Technologies 2006 (ISCIT 2006), Bangkok, Thailand, October 18-20, 2006

- N. Srisuk, T. Angsuwatanakul, T. Chanwimalueang and C. Pintavirooj, "X-ray Array Detector: System and Calibration," International Conference on Engineering, Applied Sciences and Technology (ICEAST 2007), Bangkok, Thailand, November 21-23, 2007

- T. Angsuwatanakul, J. Bunruang, K. Kamphan, N. Rattanamanee and R. Deepankaew, "A study on the design and construction of QC Test Instruments for Diagnostic X –ray Apparatus using Phototransistor," The 22th Symposium on Thai Biomedical Instrumentation Conference (ThaiBMI 2009), Chiangmai, Thailand, August 6-8, 2009

- T. Angsuwatanakul, P. Srijutha and N. Veekam, "Digital Spirometer with Graphic LCD," The 2nd Symposium on The Biomedical Engineering Conference (BMECON 2010), Bangkok, Thailand, August 5-8, 2010

- T. Angsuwatanakul, N. Rattana and P. Boonnak, "Portable EKG Monitor using ARM7," The 23rd Symposium on Thai Biomedical Instrumentation Conference (ThaiBMI 2010), Bangkok, Thailand, August 5-8, 2010

- T. Angsuwatanakul, P. Kaewseedoung, S. Aimkaew, "Audio Visual Nurse Call Center," The 3rd Symposium on The Biomedical Engineering Conference (BMECON 2011), Pattaya, Thailand, August 4-6, 2011

- T. Angsuwatanakul, N. Burasit, S. Bunkaseam, J. Maisuwan. and T. Lorcharoenrueang, "X-Ray Reconstruction Imitation System with Flat Detectors," The 4th Symposium on Thai Biomedical Engineering Conference (BMECON 2012), Bangkok, Thailand, August 9-10, 2012

- T. Angsuwatanakul, E. Somwhang, J. Krasaesoom and R. Chollamart, "ECG Portable with Thumb Electrodes," The 4th Symposium on Thai Biomedical Engineering Conference (BMECON 2012), Bangkok, Thailand, August 9-10, 2012

- T. Angsuwatanakul, K. Kwamhman, J. Tubsai and N. Suwannakham, "EEG Alpha Wave Detector," The 4th Symposium on Thai Biomedical Engineering Conference (BMECON 2012), Bangkok, Thailand, August 9-10, 2012

- T. Angsuwatanakul, K. Iramina and B. Keawkamnerdpong, “Multi-Scale Sample Entropy as a Feature for Working Memory Study,” in Proceedings of the Seventh Biomedical Engineering International Conference (BMEiCON), pp. 1-5, Fukuoka, Japan, November 26-28, 2014.

- T. Angsuwatanakul, K. Iramina and B. Keawkamnerdpong, “Brain Complexity Analysis of Functional Near Infrared Spectroscopy for Working Memory Study,” in The Eighth Biomedical Engineering International Conference (BMEiCON), pp.1-5, Pattaya, Thailand, November 25-27, 2015.

6. รางวัลเกียรติยศ

- P. Areehatairat, S. Rakdech, T. Angsuwatanakul, P. Boonnak and N. Rattana, “Portable EKG Monitor using ARM7” : Honorable mention in Science and Technology Innovation, Thailand Innovation Awards 2010