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PERSONAL INFORMATION

Date of Birth: August 14th, 1984
Nationality: Thai
Religion: Buddhism

Place of birth: Bangkok, Thailand
Marital status: Single
Height: 170 cm.

RESEARCH INTEREST

Power electronics applications in wireless power transfer (WPT) and induction heating (IH).

EDUCATION

- 2014 - 2019 **D.Eng.** (Electrical and Information Engineering Technology),
King Mongkut's University of Technology Thonburi, Bangkok, Thailand.
- 2007 - 2011 **M.Eng.** (Electrical Engineering), King Mongkut's University of Technology
Thonburi, Bangkok, Thailand.
- 2003 - 2007 **B.Eng.** (Electrical Engineering), King Mongkut's University of Technology
Thonburi, Bangkok, Thailand.

HONORS AND AWARDS

- Petchra Pra Jom Klao Doctoral scholarship, King Mongkut's University of Technology Thonburi, Bangkok, Thailand.
- Associate Electrical Engineer (Power) License for Professional Practice.

PROFESSIONAL EXPERIENCE

- 2013 - 2015 **Researcher**, King Mongkut's University of Technology Thonburi, Bangkok,
Thailand.
- 2011 - 2012 **R&D Engineer**, Syndome Electronics Industry Co., Ltd., Bangkok, Thailand.

JOURNAL PUBLICATIONS

- **S. Nutwong**, A. Sangswang, and S. Naetiladdanon, "An Inverter Topology for Wireless Power Transfer System with Multiple Transmitter Coils," *Applied Sciences*, Vol. 9, Iss. 8, April 2019, pp. 1-21. [ISI Q3, IF: 1.689]
- **S. Nutwong**, A. Sangswang, S. Naetiladdanon, and E. Mujjalinvimut, "A Novel Output Power Control of Wireless Powering Kitchen Appliance System with Free-Positioning Feature," *Energies*, Vol. 11, Iss. 7, June 2018, pp. 1-18. [ISI Q2, IF: 2.676]

- **S. Nutwong**, A. Sangswang, S. Naetiladdanon, and E. Mujjalinvimut, “Output Voltage Control of the SP Topology IPT System based on Primary Side Controller Operating at ZVS,” ECTI Transactions on Computer and Information Technology, Vol. 11, No. 1, May 2017, pp. 71-81. [TCI T1]

CONFERENCE PRESENTATIONS

- M. Bowornprasittikun, T. Thanamai, **S. Nutwong**, A. Sangswang, and S. Naetiladdanon, “Induction Food Dehydrator with Temperature Control,” in Proc. 2019 International Electrical Engineering Congress (iEECON), March 2019, Cha-am, Thailand.
- **S. Nutwong**, A. Sangswang, S. Naetiladdanon, and E. Mujjalinvimut, “Comparative Study of IPT Multi-Transmitter Coils Single-Receiver Coil System Focusing on Misalignment Tolerance and System Efficiency,” in Proc. 21st International Conference on Electrical Machines and Systems (ICEMS), October 2018, Jeju, Korea.
- C. Sritongon, P. Wisestherrakul, N. Hansupho, **S. Nutwong**, A. Sangswang, S. Naetiladdanon, and E. Mujjalinvimut, “Novel IPT Multi-Transmitter Coils with Increase Misalignment Tolerance and System Efficiency,” in Proc. 2018 IEEE International Symposium on Circuits and Systems (ISCAS), May 2018, Florence, Italy.
- **S. Nutwong**, A. Sangswang, S. Naetiladdanon, and E. Mujjalinvimut, “Load monitoring and output voltage control for SP topology IPT system using a single-side controller without any output measurement,” in Proc. 18th European Conference on Power Electronics and Applications (EPE’16 ECCE Europe), September 2016, Karlsruhe, Germany.
- **S. Nutwong**, A. Sangswang, and S. Naetiladdanon, “Output Voltage Control of the SP Topology IPT system using a Primary Side Controller,” in Proc. 13th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications, and Information Technology (ECTI), June 2016, Chiangmai, Thailand.
- **S. Nutwong**, A. Sangswang, and S. Naetiladdanon, “Design of the wireless power transfer system with uncompensated secondary to increase power transfer capability,” in Proc. 8th IET International Conference on Power Electronics, Machines and Drives (PEMD), April 2016, Glasgow, Scotland, UK.
- **S. Nutwong**, S. Naetiladdanon, A. Sangswang, and C. Koompai “A dsPIC-Based Constant Power Controller for Induction Heating Applications,” in Proc. 9th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications, and Information Technology (ECTI), May 2012, Phetchaburi, Thailand.
- **S. Nutwong**, S. Naetiladdanon, A. Sangswang, and C. Koompai “A dsPIC-Based Phase Difference Control for Induction Heating Application,” in Proc. 9th Prince of Songkla University Engineering Conference (PEC-9), May 2011, Phuket, Thailand. [Thai language]

REFERENCE

Asst. Prof. Dr. Anawach Sangswang
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 King Mongkut's University of Technology Thonburi, Bangkok, Thailand
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