

Vuttipon Tarateeraseth

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| Contact Information (Home) | 958/8 Soi Petburi 30, Petburitatmai Rd., Makkasan, Rajtaevee, Bangkok, Thailand, 10400. | ☎: +66-80-5650072 ☎: +66-37-322605 ✉: vuttipon@ieee.org @: http://ee.swu.ac.th/Personnel/vuttipon/index.html |
| (Office) | Department of Electrical Engineering, Srinakharinwirot University, Rangsit-Nakhonnayok Rd, Ongkharak, Nakhonnayok, Thailand, 26120. | ☎: +66-80-5650072 ☎: +66-37-322605 ✉: vuttipon@ieee.org @: http://ee.swu.ac.th/Personnel/vuttipon/index.html |
| Research Interests | Electromagnetic Compatibility (EMC), Electrostatic Discharge (ESD), Power Electronics, EMC/EMI Modeling, EMC Testing and Measurement, EMC in Power Electronics, EMC in Power Systems, EMI Reduction Techniques, EMI Filters. | |
| Education | Ph.D. (Information and Communication Technologies), Politecnico di Torino M. Eng. (Electrical Engineering), King Mongkut's Institute of Technology Ladkrabang B. Eng. (Electrical Engineering), King Mongkut's Institute of Technology Ladkrabang | 2010 2004 1998 |
| Academic Experience | Srinakharinwirot University <i>Lecturer</i> | Department of Electrical Engineering, Ongkharak, Thailand. 1 June 2011 - present <ul style="list-style-type: none">• Lecture on "Power Electronics" to bachelor students at Department of Electrical Engineering, Srinakharinwirot University. Available: www.kmitl.ac.th/emc/vuttipon/pe_swu.htm• Lecture on "Electromagnetic Fields" to bachelor students at Department of Electrical Engineering, Srinakharinwirot University. Available: www.kmitl.ac.th/emc/vuttipon/emag_swu.htm• Lecture on "Electrical Machine Analysis" to bachelor students at Department of Electrical Engineering, Srinakharinwirot University. |
| | King Mongkut's Institute of Technology Ladkrabang <i>Lecturer</i> | College of Data Storage Innovation, Thailand. 7 June 2010 - 1 June 2011 <p>Lectured on "Research Methodology (THAI PROGRAM)" to master and doctoral students at College of Data Storage Innovation, King Mongkut's Institute of Technology Ladkrabang.</p> |
| | Srinakharinwirot University <i>Lecturer</i> | Department of Electrical Engineering, Ongkharak, Thailand. 1 September 2004 - 27 February 2007 <p>Lectured on "Power Electronics", "Electric Drives", "Power System Analysis" and "Electromagnetic</p> |

Field Engineering’’ to bachelor students.

King Mongkut’s Institute of Technology Ladkrabang

International College, Thailand.

Invited Lecturer

7 November 2010 - present

Lecture on ‘‘Research Methodology (INTERNATIONAL PROGRAM) ’’ to international master and doctoral students at **International College**, King Mongkut’s Institute of Technology Ladkrabang. Available: www.kmitl.ac.th/emc/vuttiapon/RM_inter.htm

Srinakharinwirot University

Department of Electrical Engineering, Ongkharak, Thailand.

Invited Lecturer

7 June 2010 - 13 March 2011

- Lectured on ‘‘Power Electronics’’ to bachelor students at **Department of Electrical Engineering**, Srinakharinwirot University. Available: www.kmitl.ac.th/emc/vuttiapon/pe_swu.htm
- Lectured on ‘‘Electromagnetic Fields ’’ to bachelor students at **Department of Electrical Engineering**, Srinakharinwirot University. Available: www.kmitl.ac.th/emc/vuttiapon/emag_swu.htm
- Lectured on ‘‘Electrical Machine Analysis’’ to bachelor students at **Department of Electrical Engineering**, Srinakharinwirot University.

Nanyang Technological University

School of Electrical & Electronic Engineering, Singapore.

Visiting Scholar

July 2007 - July 2008

Developed the noise source impedance measurement techniques and EMI filter design procedure under supervision of Assoc. Prof. Dr. See Kye Yak.

Publications

He is author or coauthor of more than 50 technical papers published in international journals and conference proceedings and one book chapter.

Invited Speakers and Co-speakers

Invited speaker for Provincial Electricity Authority of Thailand, *EMC on Power Electronics*, 30 June 2006.

Invited speaker for Provincial Electricity Authority of Thailand , *EMI Filter Design*, 23 June 2006.

Invited co-speaker for Thai Samsung Electronics, *EMC solution and application to Samsung products*, 26-27 July 2006.

Invited co-speaker for Thai Samsung Electronics, *Electromagnetic Compatibility: Solutions for Industries*, 5-6 July 2005.

Invited co-speaker for General Motors Corporation (GM), *Electromagnetic Compatibility (EMC) on Automotives: generic and advanced courses*, 16-18 May 2005.

Invited co-speaker for Electrical and Electronics Institute (Thailand), *Power Electronics for Industries*,

26-27 April 2005.

Invited co-speaker for Electrical and Electronics Institute (Thailand), *Advanced EMC*, 2 September 2004.

Invited co-speaker for Electrical and Electronics Institute (Thailand), *General EMC*, 1 September 2004.

Invited co-speaker for Electrical and Electronics Institute (Thailand), *Power Electronics Simulation*, 13-14 May 2004.

Invited co-speaker for Electrical and Electronics Institute (Thailand), *EMC for UPS application*, 1-2 April 2004.

Invited co-speaker for Lucky Goldstar (LG) Electronics, *Introduction to EMI filter design*, 14-15 July 2003.

Invited co-speaker for Provincial Electricity Authority of Thailand, *EMI filter design for switching-mode power supply* and *Radiated control design and technique* during 27-29 March 2002 and 15-17 May 2002.

Professional
Experience

Wire & Wireless Co., Ltd. 54 Soi Pattanakarn 20, Pattanakarn Rd., Suanluang, Bangkok, Thailand.

Technical Consultant

October 2010 – present

Advise on how to solve the grounding problems at head office of PTT Plc. Group (data center).

Green Grit Co., Ltd. 22 Soi Ladprao 84, Ekamai-ramintra Road, Wangthonglang, Bangkok, Thailand.

Technical and Marketing Consultant

April 2010 – February 2011

- Advised on Fuel Cell Applications such as PROTON EXCHANGE MEMBRANE FUEL CELLS (PEMFC) POWER SUPPLY UNIT, Fuel cell education sets to serve the need of the Royal Thai Navy and Universities
- Advised on Electric Vehicles: electric-motorcycles, electric-bicycles, electric-boats, etc.

Powermatic Co., Ltd.

1092/18-19, Klongmahanak, Pomprabsattrupai, Bangkok, Thailand

Technical Consultant

Feb 2004 – April 2004

Solved the EMC problems of Uninterruptible Power Supplies (UPS).

Thai Filter Supply Co., Ltd.

203/10-11, Soi Pattanakarn 65, Prawes, Bangkok, Thailand.

Consultant Engineer

2003 - 2004

Worked as a Marketing and Technical Consultant for the company in order to improve service quality.

Delta Electronics (Thailand) Plc.

Bangpoo Industrial Estate, Samutprakarn, Thailand.

Quality Engineer

1999 - 2003

Worked as a head of environment testing laboratory under Research and Development (R&D) department. Various types of switched-mode power supplies (SMPS), DC-DC converters and adapters were tested and verified the problems at the design stage.

- Research Projects **Researcher**, โครงการศึกษาแนวทางการพัฒนาปรับปรุงมาตรฐานวิชาชีพ EuP ของไทยเพื่อเพิ่มศักยภาพทางการค้ากับสหภาพยุโรป, April 2010 – April 2011, funded by Department of Industrial Works (DIW). Invitation to participate in research project by Bryan Cave (Thailand) Co., Ltd.
Project details can be found at: <http://www.diw.go.th/>
- EMC Researcher**, Joint Development of Teaching Materials to Improve EMC Skills of Academic Staff and Postgraduate Electronic Designers, Nov. 2003 – Nov. 2005 (€180000), funded by European Commission.
Project details can be found at: www.aunp-emctraining.polito.it/index.asp
- Researcher**, National Technology Road Mapping Project for Renewable Energy and High Efficiency Energy Utilization, funded by National Research Council of Thailand (1,000,000 baht).
Project details can be found at: www.kmitl.ac.th/emc/trm.html
- Expert Position**, Technology Foresight for Household Appliances, July 2003 – July 2004, funded by Electrical and Electronic Institute (EEI).
- Professional Services **International Program Committee**, The Fifth IASTED Asian Conference on Power and Energy Systems, AsiaPES 2012, April 2 – 4, 2012, Phuket, Thailand
- Reviewer** (2012), IEEE Transactions on Power Electronics (Impact factor: 2.93).
- Reviewer** (2011-present), IEEE Transactions on Industrial Electronics (Impact factor: 4.678).
- Reviewer** (2011-present), IEEE Transactions on Electromagnetic Compatibility (Impact factor: 1.29).
- Reviewer** (2010), IEEE Transactions on Instrumentation & Measurement (Impact factor: 1.03).
- Reviewer**, IASTED Asian Conference on Power and Energy Systems, AsiaPES 2012, April 2 – 4, 2012, Phuket, Thailand
- Reviewer**, Electrical Engineering Conference, EECON 34, 30 Nov - 2 Dec 2011, Bangkok, Thailand.
- Reviewer**, the 8th annual international conference organized by Electrical Engineering/ Electronics, Computer, Telecommunications and Information Technology (ECTI) Association, ECTI-CON 2011, 7-19 May 2011, Kon Kaen, Thailand.
- Reviewer**, The Electrical Engineering Network 2011, EENET 2011, 9-11 March 2011, Bangkok, Thailand.
- Reviewer**, The 2nd RMUTP International Conference: Green Technology and Productivity, 29-30 June 2011, Bangkok, Thailand.
- Session Chairman**, Electrical Engineering Conference, EECON 34, 30 Nov - 2 Dec 2011, Bangkok, Thailand.
- Session Chairman**, The Electrical Engineering Network 2011, EENET 2011, 9-11 March 2011, Bangkok, Thailand.

Publications, The 7th IEEE Power Electronics and Drive Systems, PEDS2007, 27-30 November 2007, Bangkok, Thailand.

Secretary and Session Chairman, The 2nd International Conference on Electromagnetic Compatibility, ICEMC'05, 27 - 29 July 2005, Phuket, Thailand.

Secretary, Workshop on Electromagnetic Compatibility & Signal Integrity, ASEAN-EU UNIVERSITY NETWORK PROGRAMME, 18-22 July 2005, Bangkok, Thailand.

Secretary, The 1st International Conference on Electromagnetic Compatibility, ICEMC'02, 24 - 27 July 2002, Bangkok, Thailand.

Scholarship

Ph.D. Scholarship, granted by *SCUOLA INTERPOLITECNICA DI DOTTORATO (SIPD)* offering a joint Ph.D. program of high qualification in five scientific areas.
Scholarship details can be found at: <http://sipd.polito.it/>