PERSONAL DATA

Name : Asst. Prof. Dr. RATTANA WETPRASIT
Position : Assistant Professor
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EDUCATION

Ph.D. Degree	1999	Computer Science, Griffith University, Australia
Master Degree	1989	Applied Statistic, National Institute of Development Administration (NIDA), Bangkok, Thailand
Bachelor Degree	1985	Maring Science, Chulalongkorn University, Bangkok, Thailand

RESEARCH INTERESTS

Strategic planning and management, City Development, Blockchain technology applications

Software engineering practices for project management

Software quality assurance and international standards

Policy research in Software Startup Business, City Development, Smart Growth

RESEARCH PROJECTS

- Tech startup situation in Thailand
- 20 Years strategic plan for Andaman (South west) coast of Thailand

Research Projects

APPOINTMENT

• Vice President for Academic Affairs and Graduate Studies, Phuket campus (June 2017 - May 2018)
• Director of Phuket Community College (January 2015 - June 2019)
• Assistant President for Information Technology, PSU Phuket campus (June 2012 - December 2014)
• Director of Phuket ICT Skill Development and Learning Center, PSU Phuket campus (October 2009 - September 2012)
• Deputy Dean for Academic Affairs, Faculty of Technology and Environment, PSU Phuket campus (January 2005 - September 2009)

TEACHING

* Computing Ethics
* Business Research Methodology

MSc/PhD Students

Information Technology Project Management

INTERNATIONAL JOURNAL ARTICLES

W. Werapun, T. Arpornthip, E. Sangiamkul, R. Wetprasit, and T. Karode, (2020). A Blockchain-based Renewable Energy Investment Management Platform: Decentralized Sustainable Development (DeSDev). *Journal of Computer Science*, *16*(11), 1657-1668. https://doi.org/10.3844/jcssp.2020.1657.1668

11/2020

Aziz Nanthaamornphong and **Rattana Wetprasit**, Methods to measure the impact of design patterns on software maintainability, Maejo International Journal of Science and Technology, vol. 12, no.3, pp.251-271 *[ISI Indexed]*

11/2018

Aziz Nanthaamornphong and **Rattana Wetprasit,** Evaluation of the Visitor Pattern to Promote Software Design Simplicity, Jurnal Teknologi, vol. 77, no. 9, pp. 61-77 *[Scopus indexed]*

10/2015

INTERNATIONAL PROCEEDINGS

Nanthaamornphong, A. and **Wetprasit, R.**, A Case Study: Adoption of Agile in Thailand, The Proceeding of the 8th International Conference on Advanced Computer Science and Information Systems, Malang, Indonesia, Oct 15-16, 2016 (Best Session Presenter) [IEEE]

10/2016

Wongsai, N., Siddoo, V., and **Wetprasit, R.**, 2015. Factors of Influence in Software Process Improvement: An ISO/IEC 29110 for Very-Small Entities. The 7th International Conference on Information Technology and Electrical Engineering (ICITEE), Thailand.

10/2015

A. Nanthaamornphong, and **R. Wetprasit.** A Controlled Experiment: Do Visitor Patterns Improve Design Simplicity? In the 8th Malaysian Software Engineering Conference (MySEC 2014), Langkawi, Malaysia, IEEE Computer Society, 2014. **(Best paper award)**

9/2014

V. Siddoo, and **R. Wetprasit.** Design and Tool for Decision Making Cooperative and Work Integrated Workplace. In the 29th International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC 2014), pages 645-647, Phuket, Thailand, 2014.

7/2014

V. Siddoo and **R. Wetprasit.** The Use of Business Intelligence in Decision Making on a Cooperative & Work-Integrated Education: A Case Study on Prince of Songkla University. In the Asian Conference on Society, Education and Technology, page 59, Osaka, Japan, 2013.

10/2013

V. Siddoo, N. Wongsai, and **R. Wetprasit**. An Implementation Approach of ISO/IEC 29110 for Government Organizations. In the 1st Annual PSU Phuket International Conference. Phuket, Thailand, 2012.

1/2012

NATIONAL PROCEEDINGS

R.Wetprasit, 2019. "ปัจจัยในการเลือกหัวข้อโครงงานสำหรับการเรียนแบบใช้โครงงานเป็นฐาน ในวิชาเกี่ยวกับวิธีการวิจัยทางธุรกิจ", Joint International Education Conference 2019 (JIEC 2019): The 8th PSU Education Conference & 4th Inspirational Scholar Symposium. Songkla, Thailand.

12/2019 *Education, INFORMATION TECHNOLOGY*

Wetprasit, R. and Nanthaamornphong, A., Phuket Smart City and the Needs of its Population, The Proceeding of the12th National Conference on Computing and Information Technology (NCCIT 2016), Khon Kaen, Thailand, pp.599-604, Jul, 2016.

6/2016

Pongprom, S., Nanthaamornphong, A., and **Wetprasit, R.**, Encouraging Students' Interest in Software Development by Test-Driven Development, The 12th National Conference on Computing and Information Technology (NCCIT 2016), Khon Kaen, Thailand, pp.478-483, Jul, 2016.

6/2016

Chaisutanon, A., Nanthaamornphong, A., and **Wetprasit, R.**, "Code Smell Influences in the Code Review for Open Source Software Projects", The 12th National Conference on Computing and Information Technology (NCCIT 2016), Khon Kaen, Thailand, pp.170-175, Jul, 2016.

6/2016

Siddoo, V., & **Wetprasit, R.** (2015). Petty Cash Control System: A Retail Business Case Study. The 7th National Conference on Information Technology (NCIT), (pp. 364-369). Chaingmai, Thailand.

10/2015

V. Siddoo and **R. Wetprasit.** The Design of Targets and Performance Indicators for Payment Service: Telecommunication Organization Case Study. In the 9th National Conference on Computing and Information

Technology (NCCIT 2014), pages 340-345, Phuket, Thailand, 2014.

5/2014

V. Siddoo and **R. Wetprasit.** The Payment Process Improvement by Applying Netting Accounts Receivable and Accounts Payable Method: A Retail Business Case Study. In the National 4 Conference on Information Technology (NCIT 2014), pages 95-101, Nakhon Ratchasima, Thailand, 2014.

2/2014

R. Wetprasit, A. Uttatum, and A. Jeaythongsri. Mobile Augmented Reality for Tourism: Thalang Road, Phuket case study. In the 5th National Conference on Information Technology, pages 259-264, Petchaburi, Thailand, 2013.

2/2013

V. Siddoo, N. Wongsai, and **R. Wetprasit**. Implementation of ISO/IEC 29110 in Government Organizations, PSU Phuket case study. In the IA2012-Workshop on Internet Architecture (No peer-review), pages 54-59, Phuket, Thailand, 2012.

10/2012

CHAPTERS

Nanthaamornphong, Aziz, and Rattana Wetprasit. "Thailand's Software Startup Ecosystem." In Fundamentals of Software Startups, pp. 195-213. Springer, Cham, 2020.

8/2019

TRAINING

* Certificate of Learning and Teaching in Higher Education – Module 1, 2 & 3 by AdvanceHE and ThaiPoD July-November 2018
* Certificate of Assessor and Consultant for ISO/IEC 29110 and ISO/IEC 15504 (33000) by Federation of Thai Industry, April 2019
* ISO/IEC 17025 organized by Thailand Professional Qualification Institute (TPQI) and MASCI (Thailand), February 2017
* ISO/IEC 29110 and ISO/IEC 15504 assessors training and certification, organized by SIPA and Thailand Industrial Council, 2014
* Train the trainers and assessors for ISO/IEC 15504 organized by Software Industry Promotion Agency (SIPA), Instructor: Terry Rout, 2012

OTHERS

Experience in Software Industry and Business Incubation Centre

• Committee for Software Industry Promotion Agency: SIPA Phuket (2004 – 2008)
• Establishing SIPA Phuket office and being the Manager of SIPA Phuket (March 2004 – April 2008)
• Consultant for Creative and Innovation Centre of Phuket Software Park (2009 - 2014)
• Trainers for Business Incubation Certification under InfoDev Program of World Bank, 5-8 June 2011, India

Working Research Projects

• Research project: Implementation of ISO/IEC 29110 in Government Organizations. (Completed)

• Research project: The various perspectives of software development model on adopting ISO/IEC 29110: Thai Software SMEs implementation view. (Completed)

• Research project: Agile software development in Thailand software industry. (Completed)

• Research project: Tech startup situation in Thailand. (On going)

RESEARCH GRANTS

Rattana Wetprasit (PI) and Aziz Nanthaamornphong (Co-PI), **Status of Tech-Startup in Thailand** funded by Faculty of Technology and Environment, 2018- 2019

2018

Aziz Nanthaamornphong (PI) and Rattana Wetprasit(Co-PI), **Effectiveness of Agile in Thailand** funded by Faculty of Technology and Environment, 2014- 2016

2014

AWARDS

* PSU Pride Mentor Award 2022 (Gold Badge) (shorturl.at/fDGNO)

*** Senior Fellow of the** Higher Education Academy (SFHEA) against the UK Professional Standards Framework (UK PSF) for teaching and learning support in higher education. Recognition reference PR155727, awarded by Higher Education Academy**.** April 2019

* **Certified Assessor and Consultant of** ISO/IEC 29110 **and** ISO/IEC 15504 (33000)**.** May 2019

* **Best Co-operative Education Mentor,** PSU. March 2019

*** Best Paper Award**, The 8th Malaysian Software Engineering (MySEC 2014)

* **Australian Government Scholarship** (Ph.D.program), 1996 - 1999

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