

## PERSONAL DATA



**Name** : Asst. Prof. Dr. RATTANA WETPRASIT  
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## EDUCATION

<b>Ph.D. Degree</b>	1999	Computer Science, Griffith University, Australia
<b>Master Degree</b>	1989	Applied Statistic, National Institute of Development Administration (NIDA), Bangkok, Thailand
<b>Bachelor Degree</b>	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

## APPOINTMENT

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- 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

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- \* Computing Ethics
- \* Business Research Methodology

## MSc/PhD Students

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Information Technology Project Management

## INTERNATIONAL JOURNAL ARTICLES

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**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

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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. Nanthamornphong, 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

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R.Wetprasit, 2019. "ปัจจัยในการเลือกหัวข้อโครงการสำหรับการเรียนแบบใช้โครงการเป็นฐานในวิชาเกี่ยวกับวิธีการวิจัยทางธุรกิจ", 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 Nanthamornphong, A., Phuket Smart City and the Needs of its Population, The Proceeding of the 12th National Conference on Computing and Information Technology (NCCIT 2016), Khon Kaen, Thailand, pp.599-604, Jul, 2016.

📅 6/2016

Pongprom, S., Nanthamornphong, 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., Nanthamornphong, 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

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

📅 8/2019

## TRAINING

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- \* 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

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### 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

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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

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- \* PSU Pride Mentor Award 2022 (Gold Badge) ([shorturl.at/fDGNO](http://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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