

# Curriculum Vitae for *Pichaya Tandayya*

18 January 2021

- 1 Family Name:** Tandayya  
**2 First Name:** Pichaya  
**3 Date of Birth:** 10 September 1968  
**4 Nationality:** Thai  
**5 Position:** Government Official / Associate Professor

## 6 Education / Professional Studies:

<i>Date From/To</i>	<i>Degree</i>	<i>Field</i>	<i>Institution</i>
1985-1989	B.Eng.	<a href="#">Electrical Engineering</a>	<a href="#">Prince of Songkhla University, Thailand</a>
1996-1997	M.Phil.	<a href="#">Computer Science</a>	<a href="#">University of Manchester, United Kingdom</a>
1997-2000	Ph.D.	<a href="#">Computer Science</a>	<a href="#">University of Manchester, United Kingdom</a>

## 7 Language Skills:

<u>Language</u>	(in order of competency)
Thai	mother tongue
English	expert
German	basic

## 8 Membership of Professional Bodies: [IEEE](#) Senior Member, [ECTI](#), ACM, CSEA, [SISO](#)

[ISPACS](#) International Steering Committee, [ECTI-CON](#) Steering Committee

Web of Science Researcher ID: AAI-8436-2020

Scopus ID: 15065929100

ORCID ID: <https://orcid.org/0000-0001-9454-8146>

## 9 Other Skills:

Research interests in

Parallel and Distributed Computing,  
Parallel and Distributed Simulation Systems,  
Braille Computer System and Assistive Technology

## 10 Recent taught courses (2000-2020):

*Undergraduate Level:*

Advanced Computer Architecture and Organization,

Ethical, Legal and Social Issues in Computer Professions,  
 Computer Graphics and Simulation Systems,  
 Data Structure and Computer Programming Techniques,  
 E-Commerce,  
 Introduction to Computer Programming,  
 Introduction to Engineering  
 Multi-core Programming and Architecture

*Postgraduate Level:*

Research and Development Methodologies,  
 Cloud Computing Principles and Paradigms,  
 Parallel and Distributed Computing,  
 Introduction to High Level Architecture and Creating Computer Simulation,  
 Parallel Computing,  
 Distributed Computing,  
 Parallel and Distributed Computing,  
 Parallel and Distributed Simulation Systems

**11 Present Position within the organisation:** Associate Professor / Senior Lecturer

**12 Years with the organisation:** 31 (since 1990)

**13 Professional Experience Record:**

<i>Date</i>	<i>Location</i>	<i>Organization</i>	<i>Position</i>	<i>Responsibilities</i>
May 1990 – now	Thailand	<a href="#">Prince of Songkla U.</a>	Lecturer	Give lectures
Oct. 2001 – Sep. 2003	Thailand	<a href="#">Prince of Songkla U.</a>	Deputy Head of Dept.	Academic affairs
Oct. 2003 – Nov. 2004, Jan. 2010 -Dec. 2010	Thailand	<a href="#">Prince of Songkla U.</a>	Deputy Head of Dept.	Research & PG program management
Dec. 2004 – Nov. 2008	Thailand	<a href="#">Prince of Songkla U.</a>	Head of Department	Administration and Management
2001 - 2004	Thailand	<a href="#">Prince of Songkla U.</a>	Conference Secretary	Organising conferences
2004 - 2012	Thailand	<a href="#">Thai National Grid</a>	Committee	PSU representative and Founding member
August 2007 – 2012	Thailand	<a href="#">Prince of Songkla U.</a>	Head of Center	PSU Grid Center
2009-2010	Thailand	<a href="#">Prince of Songkla U.</a>	Head of iSys Research Group	Administration
Jan. 2010 – Dec. 2010	Thailand	<a href="#">Prince of Songkla U.</a>	Head of MEng and PhD Programs	Research & PG program management
Jan. 2010 – Dec. 2010	Thailand	<a href="#">Prince of Songkla U.</a>	Deputy Head of Dept.	Research & PG studies
Aug. 2020 – 2021	Thailand	<a href="#">Prince of Songkla U.</a>	Head of Training Committee	Student Industrial Training Management

## 14 List of organised conferences

- Information and Computer Engineering Postgraduate Workshop 2002 - 2004 (ICEP 2002-2004)
- International Symposium on Communications and Information Technology (ISCIT 2003)
- National Computer Science and Engineering Conference (NCSEC 2004)
- Asia Modelling Symposium (AMS 2007)
- Annual Symposium on Computational Science and Engineering (ANSCSE 11), 2007
- International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC 2014)
- 12<sup>th</sup> International Joint Conference on Computer Science and Software Engineering (JCSSE 2015)
- The International Symposium on Intelligent Signal Processing and Communication Systems (ISPACS 2016)
- 14<sup>th</sup> International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON 2017)

## 15 List of conferences and Journals that I worked as a technical program committee

1. International Symposium on Communications and Information Technology (ISCIT 2001-Now)
2. National Computer Science and Engineering Conference (NCSEC 2001-Now)
3. Electrical Engineering Conference (EECON 2002-Now)
4. World Multiconference on Systemics Cybernetics and Informatics (SCI 2003-2005)
5. SCI Journal: Journal of Systemics, Cybernetics and Informatics (SCI 2003-2005)
6. European Simulation Interoperability Workshop (Euro-SIW 2004-2005)
7. Annual Symposium on Computational Science and Engineering (ANSCSE 2006-Now)
8. PSU-Engineering Conference (PEC 2002-Now)
9. International Convention on Rehabilitation Engineering & Assistive Technology (i-CREATE 2007-Now)
10. International Conference on Electrical Engineering/Electronics, Computer, Telecommunications, and Information Technology (ECTI-CON)
11. International Joint Conference on Computer Science and Software Engineering (JCSSE)
12. Songklanakarin Journal of Science and Technology, 2013-now
13. IEEE/ACM International Symposium on Distributed Simulation and Real-time Applications (DS-RT 2008-2009)
14. Multimedia Tools and Applications, Springer (Journal), 2013-now
15. IEEE Access (Journal), 2018-now

## 16 Awards

### *Research*

- *2<sup>nd</sup> Prize and Professional Vote at Engineering Innovation*, Braille Translation, October 2004, Bitec, Bangna.
- *Invention Award from Prince of Songkla University*, Braille Computer System, September 2008.
- *Invention Award from Faculty of Engineering, Prince of Songkla University*, Braille Computer System, July 2008.

### *Students' works under supervision*

*National Software Contest organized by National Electronics and Computer Technology Center (NECTEC)*

- *1<sup>st</sup> Prize, 6<sup>th</sup> National Software Contest (NSC 2004)*, Sansanee Bunsanong, Thai Braille to ASCII Translator, February 2004.
- *Special Prize from Thailand Association of the Blind, Software for the Blind, 6<sup>th</sup> National Software Contest (NSC 2004)*, Sansanee Bunsanong, Thai Braille to ASCII Translator, February 2004.
- *Special Prize from Thailand Association of the Blind, Software for the Blind, 6<sup>th</sup> National Software Contest (NSC 2004)*, Tirawot Suriyapaiboonwattana, Somchai Petchkrieng and Kongsakol Chomkong, Thai Braille Terminal Program on Linux, February 2004.
- *1<sup>st</sup> Prize, 7<sup>th</sup> National Software Contest (NSC 2005)*, Somchai Petkleang and Techit Panwasin, ASCII to Thai Braille Translator, February 2005.
- *Special Prize from Thailand Association of the Blind, Software for the Blind, 7<sup>th</sup> National Software Contest (NSC 2005)*, Somchai Petkleang and Techit Panwasin, ASCII to Thai Braille Translator, February 2005.
- *1<sup>st</sup> Prize, 9<sup>th</sup> National Software Contest (NSC 2007)*, Aphisada Inthasara, Ladawan Mipansaen and Darika Marneechay, Braille-Music XML Translation, February 2007.
- *Special Prize from Thailand Association of the Blind, Software for the Blind, 9<sup>th</sup> National Software Contest (NSC 2007)*, Aphisada Inthasara, Ladawan Mipansaen and Darika Marneechay, Braille-Music XML Translation, February 2007.
- *Consolation Prize, 9<sup>th</sup> National Software Contest (NSC 2007)*, Thanathip Limna, Chomphunut Sae-tang and Pongkan Kansong, Braille Operation Software, February 2007.
- *Consolation Prize, 10<sup>th</sup> National Software Contest (NSC 2008)*, Pornnalat Sornprasit and Jarunee Gampalawalee, Organizer and Internet Reader for the Visually Impaired, February 2008.
- *Consolation Prize, National Software Contest (NSC 2010)*, Thanapruet Nantawuttikul, Ratchadaporn Tongmak and Sureeporn Angsupanich, February 2010.
- *2<sup>nd</sup> Prize, 15<sup>th</sup> National Software Contest (NSC 2013)*, Wongpiti Whangsanti Yoschanin Sasiwat, and Attasuntorn Traisuwan, Hawkeye, February 2013.
- *3<sup>rd</sup> Prize, 16<sup>th</sup> National Software Contest (NSC 2014)*, Wongpiti Whangsanti Yoschanin Sasiwat, and Attasuntorn Traisuwan, Hawkeye Community, March 2014.
- *Consolation Prize, 17<sup>th</sup> National Software Contest (NSC 2015)*, Attasuntorn Traisuwan, Kraken Workflow, March 2015.
- *2<sup>nd</sup> Prize, 17<sup>th</sup> National Software Contest (NSC 2017)*, Phutthewan Yangyuenyong, Aran Khunaree, and Chalemchon Saekoo, A Distributed Simulation System for Training and Testing MOBA Game Programming, March 2017.
- *2<sup>nd</sup> Prize, 22<sup>nd</sup> National Software Contest (NSC 2020)*, Pun Ruengjaruwatana, An Assisting Application for Composing and Proofing Poems and Building Poet Community, August 2020.

#### *Others*

- *3<sup>rd</sup> Prize, Innovation of Thailand*, Sansanee Bunsanong, Thai Braille to ASCII Translator, October 2004, Impact Muangtong Thani.
- *3<sup>rd</sup> Prize, Embedded Systems on New Industrial Design Camp and Contest 2007*, Vorapol Thinnagonsutibut, Thanatip Limna, Suppachai Madue, Witchuda Kiatcharoensak and Nattawut Suwannarat, AmBraille: Braille Computer Notebook.
- *3<sup>rd</sup> Prize and Peer's Choice Award in Assistive & Rehabilitative Technology Student Design Challenge in 2<sup>nd</sup> International Convention on Rehabilitation Engineering & Assistive Technology (i-CREATe 2008)*, Vorapol Thinnagonsutibut, Thanatip Limna, Suppachai Madue and Witchuda Kiatcharoensak, Braille Computer Notebook, May 2008 at Imperial Queen's Park, Bangkok.

#### *Thesis*

- *Very good thesis of Faculty of Engineering*, Prince of Songkla University, 2009, Vorapol Thinnagonsutibut, On-the-fly Thai Braille and ASCII Translation.

### *Best Paper Awards*

- *Best Paper Award in Application in Computer Engineering in 8<sup>th</sup> PSU-Engineering Conference (PEC-8)*, Saowalak Teeratananon and Pichaya Tandayya, Design and Analysis of Different Thai Character Arrangements for Keyboard on Screen (in Thai language), April 2009.
- *Best Paper Award in Technological Science in Payap University Research Symposium 2012*, Totsawat Chunhawitayatera and Pichaya Tandayya, Enhancing Thai Braille translation with n-gram for decision making in the cases of compound consonants, vowels and characters (in Thai language), Chiangmai, Thailand, 17th February 2012.

### *Others*

- *Khondeesangkomthai of the Year 2009*, Sentangthai Magazine.
- *Model Lecturer in Research of the Year 2010*, Faculty of Engineering, Prince of Songkla University
- *Model Lecturer in Art and Culture Nourishment of the Year 2011*, Faculty of Engineering, Prince of Songkla University

## **17 Publications**

### *Theses*

1. Pichaya Tandayya, [\*Further Developments in Civil Distributed Interactive Simulation Systems\*](#), Ph.D. Thesis, University of Manchester, September 2000.
2. Pichaya Tandayya, *Application of DIS Communication Protocols in Spacecraft Simulation Systems*, M.Phil. Thesis, University of Manchester, May 1997.

### *Technical Reports*

1. Pichaya Tandayya, Amornrat Phongdata, Unitsa Sangket, and Pitipol Meemak, Technical Report for *Building the Infrastructure of Biogrid with myGrid Technology*, 2008
2. Pichaya Tandayya, Wannarat Suntiamorntut, Suntorn Witosurapot, Chatchai Jantaraprim, and Wiraman Niyompol, Technical Report of *the Development of a Braille Computer System for the Visually Impaired*, 2007.
3. Pichaya Tandayya, Suntorn Witosurapot, Worrarot Chukumnird, Chatchai Jantaraprim, and Wiraman Niyompol, Technical Report of *the Development of a Braille Computer System for the Visually Impaired*, 2004.
4. Pichaya Tandayya, Technical Report of *the Development of a Distributed Interactive Simulation System*, 2002.
5. Pichaya Tandayya, Technical report of the *Development of a Call Processing Software at a Group Processor Module Level for a TDSS-1R Digital Telephone Exchange*, 1995.
6. Weerapan Musigasarn, Sinchai Kamolphiwong, Suntorn Witosurapot, Pichaya Tandayya, Thanate Kaorapapong, Montri Karnchanadecha, and Somchai Limsirorat, Technical report of the research project *Development of a Thailand's Digital Switching System for Rural Applications (TDSS-1R)* submitted to National Electronics and Computer Technology (NECTEC), National Science and Technology Development Agency (NSTDA), Advanced Telecommunication Research Laboratory (ATRL), November 1992.
7. Suntorn Witosurapot and Pichaya Tandayya, Technical report of the research project *ISDN Telecommunication Switching System*, Advanced Telecommunication Research Laboratory (ATRL), 1992.

### *Proceedings: Academic papers about Ethics*

1. Pichaya Tandayya, Dimensions of Professional Ethics, In Proceedings of the 12<sup>th</sup> International and National Conference on Engineering Education (INceed12), Khaoyai, Nakornnayok, Thailand, 15<sup>th</sup> -17<sup>th</sup> May 2014.
2. Pichaya Tandayya, Concepts and Guidelines for Ethical, Legal and Social Issues in Computer Profession, In Proceedings of The 11<sup>th</sup> International and National Conference on Engineering Education (INceed11), Patong, Phuket, 9<sup>th</sup> -11<sup>th</sup> May 2013.
3. Pichaya Tandayya, [Social and Professional Issues According to the IEEE Curricula](#) (in Thai language), In Proceedings of the 4<sup>th</sup> National Conference on Engineering Education 4 (Nceed4), pages 11-18, Nakornratchasima, Thailand, 4<sup>th</sup> -6<sup>th</sup> May 2006.
4. Pichaya Tandayya, [Teaching Experience in Ethical, Legal and Social Issues in Computer Profession](#) (in Thai language), In Proceedings of the 3<sup>rd</sup> National Conference on Engineering Education (Nceed3), Jomtien, Choburi, Thailand, 5<sup>th</sup> -6<sup>th</sup> May 2005.

### *General Articles: Best Practice*

1. Pichaya Tandayya, Best Practices in Quality of Graduates: Prized Student Works (in Thai Language), *Quality Forum of Prince of Songkla University*, pages 9-13, Quality Assurance Office, Prince of Songkla University, July 2007, ISBN 978-974-11-4866-0.

### *Journal Articles*

2020 (2)

1. Myint Zaw and Pichaya Tandayya, Product Categorization for Social Marketing Applying the RFC Model and Data Science Techniques, *International Journal of Business Analytics*, IGI Global, Vol. 7, Issue 4, Article 5, pages 43-62, 2020, ISSN 2334-4547, e-ISSN 2334-4555, DOI: [10.4018/IJBAN.2020100104](https://doi.org/10.4018/IJBAN.2020100104).
2. Kasikrit Damkliang and Pichaya Tandayya, Middleware for Running and Debugging Taverna Workflows Using RESTful Web Services, *International Journal of Simulation and Process Modelling*, Inderscience Publishers, Vol. 15, No. 6, pages 546-561, 2020, ISSN print 17402123, on-line 17402131.

2017 (4)

3. Kritwara Rattanaopas and Pichaya Tandayya, Adaptive Workload Prediction for Cloud-Based Server Infrastructures, *Journal of Telecommunication, Electronic and Computer Engineering*, Vol. 9, No. 2-4, pages 129-134, 2017, e-ISSN: 2289-8131.
4. Kasikrit Damkliang, Pichaya Tandayya, Unitsa Sangket and Ekawat Pasomsab, Similarity Score Estimation and Gaps Trimming of Multiple Sequence Alignment for Phylogenetic Tree Analysis, *ECTI Transactions on Computer and Information Technology (ECTI-CIT)*, Vol. 11, No. 2, pages 129-142, November, 2017.
5. Unitsa Sangket, Surakameth Mahasirimongkol, Pichaya Tandayya, Surasak Sangkhathat, Wasun Chantratita, Qi Liu and Yutaka Yasui, Parallelization of Logic Regression Analysis on SNP-SNP Interactions of a Crohn's Disease Dataset Model, *Journal Sains Malaysiana*, Vol. 46, No. 9, pages 1449-1455, 2017, DOI: [10.17576/jsm-2017-4609-13](https://doi.org/10.17576/jsm-2017-4609-13).
6. Thanathip Limna and Pichaya Tandayya, Workload Scheduling for Nokkhum Video Surveillance as a Service Running on Infrastructure as a Service, *Multimedia Tools and Applications*, Springer, DOI: 10.1007/s11042-016-4225-1, Volume 77, Issue 1, pages 1363-1389; First online: 11 January 2017, ISSN 1573-7721, Print publication date: (January 2018), ISSN 1380-7501, DOI: [10.1007/s11042-016-4225-1](https://doi.org/10.1007/s11042-016-4225-1), (Journal Impact Factor: 1.530/2016).

2016 (1)

7. Kasikrit Damkliang, Pichaya Tandayya, Unitsa Sangket, and Ekawat Pasomsub, Integrated Automatic Workflow for Phylogenetic Tree Analysis Using Public Access and Local Web Services, *Journal of Integrative Bioinformatics*, 13(1):287, 2016. DOI:10.2390/biecoll-jib-2016-287. First online: 28 November 2016, ISSN 1613-4516, DOI: [10.2390/biecoll-jib-2016-287](https://doi.org/10.2390/biecoll-jib-2016-287). Online Journal: [http://journal.imbio.de/index.php?paper\\_id=287](http://journal.imbio.de/index.php?paper_id=287).

2014 (1)

8. Thanathip Limna and Pichaya Tandayya, A Flexible and Scalable Component-based System Architecture for Video Surveillance as a Service, Running on Infrastructure as a Service, *Multimedia Tools and Applications*, Springer, Volume 75, Issue 4, Pages 1765-1791, Online publication date: 31 December 2014, ISSN 1573-7721, Print publication date: February 2016, ISSN 1380-7501, DOI: [10.1007/s11042-014-2373-8](https://doi.org/10.1007/s11042-014-2373-8), (Journal Impact Factor: 1.331/2015).

2011 (1)

9. Pichaya Tandayya, Wannarat Suntiamorntut, Suntorn Witosurapot, Chatchai Jantaraprim, Worrarot Chukumnird, Vorapol Thinnagonsutibut, Thanathip Limna, Suppachai Madue, and Wirapol Niyomman, Computer Notebook with Thai and English Processing for the Visually Impaired, Selected Papers from the Japanese Conference on the Advancement of Assistive and Rehabilitation Technology, 23<sup>rd</sup> JCAART 2008, Niigata, *Assistive Technology Research Series*, IOS Press, Netherlands, Volume 28, May 2011, pages 166-172, ISBN 978-1-60750-757-4 (Editors: Ohnabe, H., Kubo, M., Collins, D.M., Cooper, R.A.), DOI: [10.3233/978-1-60750-758-1-166](https://doi.org/10.3233/978-1-60750-758-1-166).

2010 (2)

10. Supattra Puttinaowarat, Krekchai Thongnoo, Pichaya Tandayya, Distributed Geographic Information System for Geocollaboration Applications: A Case Study of Flood in Amphoe Hat Yai, Songkhla Province (in Thai language), *Journal of Remote Sensing and GIS Association of Thailand*, Vol. 2, 2010.
11. Unitsa Sangket, Surakameth Mahasirimongkol, Wasun Chantratita, Pichaya Tandayya and Yurii S. Aulchenko, ParallABEL: An R Library for Generalized Parallelization of Genome-Wide Association Studies. *BMC Bioinformatics*, Volume 11:217, 29 April 2010, Available online at <http://www.biomedcentral.com/1471-2105/11/217>, DOI: [10.1186/1471-2105-11-217](https://doi.org/10.1186/1471-2105-11-217), (Journal Impact Factor: 3.78/2010).

2008 (1)

12. Pruittikorn Smithmaitrie, Jinda Kanjantoe and Pichaya Tandayya, Touching Force Response of the Piezoelectric Braille Cell, *Disability and Rehabilitation: Assistive Technology*, Volume 3, Issue 6, November 2008, pages 360 - 365, ISSN 1748-3107, Published online: 09 July 2009, DOI: [10.1080/17483100802281442](https://doi.org/10.1080/17483100802281442). (Journal Impact Factor: 0.038/2008).

2006 (1)

13. Richard Zobel, Pichaya Tandayya, and Helmut Duerrast, Modelling and Simulation of the Impact of Tsunami Waves at Beaches and Coastlines for Disaster Reduction in Thailand, *International Journal of Simulation Systems, Science & Technology (Special Issue on: Modelling, Simulation and Decision Support)*, United Kingdom Simulation Society, Volume 7, Number 4 & 5, July 2006, pages 40-50, ISSN 1473-8031.

## Books

### Book Chapters

1. Thanathip Limna, Pichaya Tandayya, and Nikom Suvonvorn, *Stereo Vision Utilizing Parallel Computing for the Visually Impaired*, Book Chapter (Chapter 5), In "Rehabilitation Engineering", IN-TECH, 2009, book edited by Tan Yen Kheng, ISBN 978-953-7619-37-4, DOI: 10.5772/7392, Available on-line at intechweb.org (Published on: 2009-12-01).

### Editor

1. Kasikrit Damkliang and Natjaree Prechaweerakul, *Taverna Installation and User Manual* (in Thai language), Editor: Pichaya Tandayya, Thai National Grid Center, 2008.

## Proceedings: R&D

2020 (1)

1. Pun Ruengjaruwatana and Pichaya Tandayya, An Assisting Application for Composing and Proofing Poems, In Proceedings of *12<sup>th</sup> ECTI-Conference on Application Research and Development (ECTI-CARD 2020)*, Nakorn Sawan, Thailand, 26<sup>th</sup> - 27<sup>th</sup> May 2020.

2019 (1)

2. Taofik Lamsud and Pichaya Tandayya, A Dynamic Popularity Caching Policy for Dynamic Adaptive Streaming over HTTP, In Proceedings of *The 19<sup>th</sup> International Symposium on Communications and Information Technologies (ISCIT 2019)*, Ho Chi Minh City, Vietnam, 25<sup>th</sup> - 27<sup>th</sup> September 2019, DOI: [10.1109/ISCIT.2019.8905163](https://doi.org/10.1109/ISCIT.2019.8905163).

2018 (2)

3. Thada Wangthammang and Pichaya Tandayya, A Software Cache Mechanism for Reducing the OpenTSDB Query Time, In Proceedings of *The 18<sup>th</sup> International Symposium on Communications and Information Technologies (ISCIT 2018)*, Bangkok, Thailand, 26<sup>th</sup> - 29<sup>th</sup> September 2018, DOI: [10.1109/ISCIT.2018.8587857](https://doi.org/10.1109/ISCIT.2018.8587857).
4. Myint Zaw and Pichaya Tandayya, Multi-level Sentiment Information Extraction Using the CRbSA Algorithm, In Proceedings of *15<sup>th</sup> International Joint Conference on Computer Science and Software Engineering (JCSSE 2018)*, Nakhon Pathom, Thailand, 11<sup>th</sup> - 13<sup>th</sup> July 2018, DOI: [10.1109/JCSSE.2018.8457328](https://doi.org/10.1109/JCSSE.2018.8457328).

2017 (2)

5. Thawatchai Klinhom, Apichart Laedam and Pichaya Tandayya, Personal Trainer (in Thai language), In Proceedings of *9<sup>th</sup> ECTI-Conference on Application Research and Development (ECTI-CARD 2017)*, Chiangkhan, Loei, Thailand, 25<sup>th</sup> -28<sup>th</sup> July 2017, pages 53-56.
6. Phutthewan Yangyuenyong, Aran Khunarree, Chalemchon Saekoo, Pichaya Tandayya and Thanathip Limna, A Distributed Simulation System for Training and Testing MOBA Game Programming, In Proceedings of *14<sup>th</sup> International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON 2017)*, Phuket, Thailand, 27<sup>th</sup> - 30<sup>th</sup> June 2017, DOI: [10.1109/ECTICon.2017.8096346](https://doi.org/10.1109/ECTICon.2017.8096346).



## 2015 (7)

7. Kritwara Rattanaopas and Pichaya Tandayya, Adaptive Workload Prediction for Cloud-based Server Infrastructures, In Proceedings of *2<sup>nd</sup> Advancement on Information Technology International Conference (ADV CIT 2015)*, Krabi, Thailand, 3<sup>rd</sup> – 5<sup>th</sup> December 2015.
8. Kritwara Rattanaopas and Pichaya Tandayya, Performance Analysis of a Multi-Tier Video on Demand Service on Virtualization Platforms, In Proceedings of *19<sup>th</sup> International Computer Science and Engineering Conference (ICSEC 2015)*, Chiang Mai, Thailand, 23<sup>rd</sup> – 26<sup>th</sup> November 2015, DOI: [10.1109/ICSEC.2015.7401437](https://doi.org/10.1109/ICSEC.2015.7401437).
9. Kasikrit Damkliang, Pichaya Tandayya, Unitsa Sangket, Surakameth Mahasirimongkol, and Ekawat Pasomsab, An Efficient Process for Enhancing Genotype Imputation in Genome-wide Association Studies Using High Performance Computing, In Proceedings of *19<sup>th</sup> International Computer Science and Engineering Conference (ICSEC 2015)*, Chiang Mai, Thailand, 23<sup>rd</sup> – 26<sup>th</sup> November 2015, DOI: [10.1109/ICSEC.2015.7401397](https://doi.org/10.1109/ICSEC.2015.7401397).
10. Attasuntorn Traisuwan, Pichaya Tandayya and Thanathip Limna, Workflow Translation and Dynamic Invocation for Image Processing Based on OpenCV, In Proceedings of *12<sup>th</sup> International Joint Conference on Computer Science and Software Engineering (JCSSE 2015)*, Hat Yai, Songkhla, Thailand, 22<sup>nd</sup> – 24<sup>th</sup> July 2015, DOI: [10.1109/JCSSE.2015.7219817](https://doi.org/10.1109/JCSSE.2015.7219817).
11. Thanathip Limna and Pichaya Tandayya, Video Surveillance as a Service Cost Estimation and Pricing Model, In Proceedings of *12<sup>th</sup> International Joint Conference on Computer Science and Software Engineering (JCSSE 2015)*, Hat Yai, Songkhla, Thailand, 22<sup>nd</sup> – 24<sup>th</sup> July 2015, DOI: [10.1109/JCSSE.2015.7219791](https://doi.org/10.1109/JCSSE.2015.7219791).
12. Vara Pulsawat and Pichaya Tandayya, Applying Ultrasonic Sensors for helping the visually impaired to discover objects in new area (in Thai language), In Proceedings of *7<sup>th</sup> ECTI-Conference on Application Research and Development (ECTI-CARD 2015)*, Trang, Thailand, 8<sup>th</sup> -10<sup>th</sup> July 2015.
13. Kritwara Rattanaopas and Pichaya Tandayya, Comparison of Disk I/O Power Consumption in Modern Virtualization, In Proceedings of *2<sup>nd</sup> International Conference on Computer, Communication, and Control (I4CT 2015)*, Kuching, Sarawak, Sarawak, Malaysia, 21<sup>st</sup> - 23<sup>rd</sup> April 2015, DOI: [10.1109/I4CT.2015.7219535](https://doi.org/10.1109/I4CT.2015.7219535).

## 2014 (1)

14. Attasuntorn Traisuwan, Yoschanin Sasiwat, Wongpiti Wangsanti, Thanathip Limna and Pichaya Tandayya, Hawk Eye Community: an API for Nokkhum VSaaS, In Proceedings of *The 29<sup>th</sup> International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC 2014)*, Phuket, Thailand, 1<sup>st</sup> - 4<sup>th</sup> July 2014.

## 2012 (7)

15. Thanathip Limna and Pichaya Tandayya, Approaches in Stereo Vision for Obstacle Location and Presentation for the Visually Impaired, In Proceedings of *2012 International Computer Science and Engineering Conference (ICSEC 2012)*, Pattaya, Thailand, 17<sup>th</sup> -18<sup>th</sup> October 2012.
16. Teerapon Chongpipattanasiri, Watcharin Kaewapichai, Pichaya Tandayya, Data Fusion of Stereo Vision and Ultrasonic Sensing for the Visually Impaired's Travelling Guide, In Proceedings of *2012 International Computer Science and Engineering Conference (ICSEC 2012)*, Pattaya, Thailand, 17<sup>th</sup> -18<sup>th</sup> October 2012.
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