

Curriculum Vitae

Name : Sudaporn Luksaneeyanawin, Ph.D.

Position : (1) Director, Centre for Research in Speech and Language Processing-CRSLP
(2) Director, International Graduate Ph.D/M.A. Program in English as an International Language

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Education and Academic Background

Year	Position/Degree	Institute
2001 (22/05-22/06)	Visiting Fellow	Furui Laboratory Department of Computer Science, Tokyo Institute of Technology
2000 (17/04-30/05)	Honourary Visiting Fellow	MacArthur Auditory Research Centre, Sydney-MARCS, University of Western Sydney
1997 (25/04-26/05)	Honourary Visiting Fellow	Infant Research Centre, UNSW
1995 (10/04-9/06)	Honourary Visiting Fellow	Infant Research Centre, UNSW
1993 (3/10-2/12)	Visiting Fellow	Infant Research Centre, UNSW
1993 (07-08)	Research Fellow	Centre for Speech Technology Research, University of Edinburgh
1992 (13/04-30/06)	Visiting Fellow	Infant Research Centre, UNSW
1989	Postdoctoral Fellow in Speech, Computing and Speech Technology	Department of Linguistics, University of Edinburgh
1983	Ph.D. (Linguistics)	University of Edinburgh
1975	Postgraduate Diploma in Phonetics	University of Leeds
1971	M.Ed.	Chulalongkorn University
1969	B.Ed.	Chulalongkorn University

Area of Specialization

Phonetics (Acoustic Phonetics and Speech Analysis)
Psycholinguistics (Human Language processing)
Natural Language Processing (especially Text processing, and Text-to-Speech-System)
Applied Linguistics
Semantics and Stylistics

Awards and Grants

Grantor	Year	Topic
1. Chulalongkorn University under the Centre of Excellence Scheme	2002-2005	Very Large Continuous Speech Corpus for Studies in Speech Recognition and Speech Synthesis
2. The IBM Thailand	2001	Text-to-Speech Support System for IBM Application.
3. Study Visit Grant from the Ministry of University Affairs	2001	Research Fellow in Speech Technology, Furui Laboratory, Department of Computer Science, Tokyo Institute of Technology
4. National Innovative Research Award from the National Research Council	1999	The Application of the Thai Text-to-Speech System for Education
5. Two Royal Golden Jubilee Ph.D. Grants from The Thailand Research Fund	1998-2001	-Lexical Access in Thai Bilinguals (in collaboration with Prof. Burnham - UNSW)
	2003-2007	-Production and Perception of Pause (in collaboration with Prof. Gandour-Purdue University)
6. Research Grant from Chulalongkorn University	1994-1996	Screen Reader for the Blind
7. Research Grant from the Union Sense Group, Ltd.	1993-1994	Talking Dictionary
8. Study Visit Grant from Chulalongkorn University	1993	Research Fellow in Speech Technology, Centre for Speech Technology Research -CSTR, University of Edinburgh
9. Three Research Grants from Australian Research Council	1992-2003	Research in Cross Language and Cross Age Group Perception and Production, and Language Acquisition with Prof. Denis Burnham (UNSW and later at MacArthur Auditory Research Centre-Sydney, UWS)
10. Research Grant from NECTEC	1990-1992	The Thai Text-to-Speech System
11. Study Visit Grant from	1989	Postdoctoral Fellow in Speech

Chulalongkorn University and
The University of Edinburgh

Computing and Speech Technology,
Department of Linguistics, University
of Edinburgh

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| 12. Scholarship from the Ford Foundation | 1976-1982 | Ph.D. in Linguistics, University of Edinburgh |
| 13. Scholarship from the Ford Foundation | 1974-1975 | Postgraduate Diploma in Phonetics, University of Leeds |

Professional Background:

Year	Position	Institute
1971-1978	Lecturer of English	Department of English, Dhonburi , Teachers' Training College, Ministry of Education
1973-1978	Special Lecturer and Researcher	Central Institute of English Language-CIEL, Office of State Universities
1978-present	Assistant Professor of Linguistics	Department of Linguistics, Faculty of Arts, Chulalongkorn University
1988-1995	Member	Member, Committee of Artificial Intelligence Research, NECTEC, Ministry of Sciences, Technology and Environment.
1995-1997	Chair	Committee on the Development of the National English Curriculum, Curriculum Development Department, Ministry of Education.
1998	Chair	Working Committee on the Standards and Benchmarks for Foreign Language Curriculum, Department of Curriculum Development, Ministry of Education.
2000-present	Founder Member	ISCA Special Interest Group on Speech Prosody-SProSIG www.lpl.univ-aix.fr/projects/sprosig/
1997-present	Editorial Board	Journal of Language, Society and Culture ISSN 1327-774X www.educ.utas.edu.au/users/tle/JOURNAL

Administrative Background:

Year	Position
1972-1974	Head of the Department of English, Dhonburi Teachers' Training College, Ministry of Education
1983-1987	Deputy Chair, Committee of Academic Affairs, Faculty of Arts
1986-1987	Chair, Committee of Faculty Development, Faculty of Arts
1987-1988	Chair, Committee of Public Relation Affairs, Faculty of Arts
1987-1988	Secretary, The Board of the Faculty of Arts
1987-1994	Chair, Committee of Academic Publications, Faculty of Arts
1987-1997	Director, Linguistics Research Unit, Faculty of Arts
1996-2000	Chair, Department of Linguistics, Faculty of Arts
2000-present	Director, Centre for Research in Speech and Language Processing Faculty of Arts, Chulalongkorn University
2000-present	Director, International Graduate Program in English as an International Language (An interdisciplinary collaboration program of the Faculty of Arts, Faculty of Education,

Publications :

Books Edited

1. S. Luksaneeyanawin (et al). 1992. **Proceedings of the Third International Symposium on Language and Linguistics: Pan Asiatic Linguistics. Volumes I-IV**, Chulalongkorn University Printing House.
2. S. Luksaneeyanawin (et al). 1993. **Proceedings of the First Symposium on Natural Language Processing- SNLP 1993**. 17-21 March 1993. Chulalongkorn University. 545 pages. Chulalongkorn University Printing House.
3. D. Burnham, S. Luksaneeyanawin, C. Davis, and M. Lafourcade (eds). 2000. **Interdisciplinary Approaches to Language Processing**. National Electronic and Computer Technology Centre (NECTEC). 336 pages.

Research and Academic Articles

1. Luksaneeyanawin, S. 1976. *Some phonetic observations on the speech of Thai children*. **PASAA**. 6.1x2. Special Issue, A Festschrift for Richard B. Noss. pp. 120-125 1976. Some phonetic observations on the speech of Thai children. *Pasaa*. 6.1x2. Special Issue, A Festschrift for Richard B. Noss. pp. 120-125
2. Luksaneeyanawin, S. 1981. *Spectrographic Analysis of Speech*. **Journal of Letters**. Faculty of Arts. Chulalongkorn University. 13. Jan. 9-28. (In Thai)
3. Luksaneeyanawin, S. 1982. *Euphonic couplets: another aspect of phonetics and semantics in Thai*. **Journal of Letters**. Faculty of Arts. Chulalongkorn University. 14. Jan. pp. 11-34. (In Thai)
4. Luksaneeyanawin, S. 1982. *The Meaning of the word 'khvn2' (up) and 'long0' (down) in Thai: The Theory of Opposition*. **The Science of Language**. Department of Linguistics. Chulalongkorn University. 2. June. 79-91 (In Thai)
5. Luksaneeyanawin, S. 1983. *Homogeneity and Heterogeneity in Language Variation*. **The Science of Language**. Department of Linguistics. Chulalongkorn University. 3. May. 121-137 (In Thai).
6. Luksaneeyanawin, S. 1983. **Intonation in Thai**. Unpublished Ph.D. Dissertation. University of Edinburgh
7. Luksaneeyanawin, S. 1984. *Tonal behaviours of one-word utterances in Thai: an experimental study of Intonation*. **Work in Progress**. 17. Department of Linguistics. University of Edinburgh. 16-30.
8. Luksaneeyanawin, S. 1984. *Some semantic functions of reduplicative in Thai*. In P.Tuajchareon. (et al). **Selected Papers from the International Symposium on Language and Linguistics**. Chiangmai University, Thailand. 125-144.
9. Luksaneeyanawin, S. 1984. *Teaching Languages in Mainland China*. **Journal of Letters**. Faculty of Arts. Chulalongkorn University. 17.2.July 1986. (In Thai)
10. Luksaneeyanawin, S. 1985. *The phonetic correlates and the functions of speech pause in Thai*. Paper read at the **18th Sino-Tibetan Conference**. Bangkok, Thailand
11. Luksaneeyanawin, S. 1986. *Persian Loan-words in Thai*. **Journal of Thai Language and Literature**. 3.3. Department of Thai. Faculty of Arts, Chulalongkorn University. 24-28. (In Thai Translated from the paper by Jimmy G. Harris)
12. Luksaneeyanawin, S. 1988. **Acoustic Characteristics and Functions of Speech Pause in Thai**. Research Monograph. Linguistics Research Unit. Chulalongkorn University. 109 pages.(In Thai)
13. Luksaneeyanawin, S. 1988. *Another View on Language Teaching*. **Thoughts**. Department of English. Faculty of Arts. Chulalongkorn University. pp. 47-54. (In Thai)
14. 1989. **A Transliteration System from Romaji to Thai and Thai to Romaji**. Research in Collaboration with the Department of Eastern Languages and the Department of Thai. Supported by the Japan Foundation.
15. Luksaneeyanawin, S. 989. *A Thai text-to-speech system*. **Proceedings of the Regional Workshop on Computer Processing of Asian Languages (CPAL)**. Asian Institute of Technology. 305-315.

16. Luksaneeyanawin, S. 1990. *Research in linguistic phonetics: a need for speech recognition and speaker recognition system*. Paper read at the Seminar on Pattern Recognition. The National Electronic and Computer Technology Center. (NECTEC), Ministry of Science and Technology. (In Thai)
17. Luksaneeyanawin, S. (et al) 1990. *Syllable and demisyllable based Thai speech synthesis*. **Proceedings of the Second Conference on Electronics and Computer Research and Development**. NECTEC, Ministry of Science and Technology. Volume I. 23 pages. (In Thai)
18. Luksaneeyanawin, S. 1991. *Speech Synthesis Technology*. Paper read at the **Seminar on Audio Technology**. Faculty of Science. Chulalongkorn University. January, 1991. (In Thai)
19. Luksaneeyanawin, S. 1991. *Twelve decades of Thai handwriting*. Paper read at the Conference on Varieties of Thai Language and Literature. Faculty of Arts, Chulalongkorn 24 June. 1991. (In Thai). Published in **Thai Language and Literature Conservation**. Literature and History Section, Department of Fine Arts, Ministry of Education. 155-177
20. Luksaneeyanawin, S. (et al) 1991. *Problems in Thai text-to-speech system*. **Proceedings of the Third Conference on Electronics and Computer Research and Development**. NECTEC. Volume I. Ministry of Science and Technology. 20-21 October, 1991. Bangkok. 41-62.
21. Luksaneeyanawin, S. (et al) 1992. *A Thai text reading system*. **Proceedings of the Fourth National Conference on Electronics and Computer Research and Development**. NECTEC. Ministry of Science, Technology, and Environment. October 21-22, 1992. Bangkok. 65-78. (In Thai)
22. Luksaneeyanawin, S. 1992. *Hierarchy of Sound Distribution*. Invited paper read at the **Conference to Commemorate the 30th Anniversary at the Faculty of Liberal Arts**. Thammasart University. 1-3 December, 1992.
23. Luksaneeyanawin, S. 1992. *Three-dimensional phonology: a historical implication*. **Proceedings of the Third International Symposium on Language and Linguistics: Pan Asiatic Linguistics**. Volume I. 75-90.
24. Luksaneeyanawin, S. 1993. *Speech computing and speech technology in Thailand*. **Proceedings of the First Symposium on Natural Language Processing in Thailand**. 17-20 March 1993. Chulalongkorn University. 276-321.
25. Luksaneeyanawin, S. 1993. *Linguistics research and Thai speech technology*. Invited paper read at the **Fifth International Conference on Thai Studies**. School of Oriental and African Studies, University of London. 5-10 July 1993.
26. Luksaneeyanawin, S. and Conkie, Alistair. 1993. *Synthesis and Tone Transformation: Resynthesizing Thai tones using PSOLA technique*. Paper read at the **Ninth Australian International Conference on Language and Speech**. Sydney. 18-19 November, 1993.
27. Luksaneeyanawin, S. 1994. *Language and Communication*. In. **Development of Language Skills**. Unit 2. School of Education, Graduate School Sukhothai Thammathirach University. ISBN 974-614-1201. 35-95.
28. Luksaneeyanawin, S. 1994. *Language and Meaning*. In. **Development of Language Skills**. Unit 3. School of Education, Graduate School, Sukhothai Thammathirach University. ISBN 974-614-120-1. 97-152.
29. Luksaneeyanawin, S. 1995. *Perception of 'r' and 'l' across age groups and language backgrounds* Paper read at the **Twenty Second Annual Conference of Australian Experimental Psychology**. The University of Queensland. Brisbane. 20-23rd April, 1995.
30. Luksaneeyanawin, S. 1996. *Language and modern technology*. Invited paper read at the **Conference on The Future of Thai Language, Literature and, Culture**. Santimaitree Building, the House of Government. Hosted by the Faculty of Liberal Arts, Thammasart University. 15-16. June, 1995. Published in **Books and Communication Technology for a Sustainable Development**. Department of Curriculum Development. Ministry of Education. For the 24th National Book Week in Commemoration of the Golden Jubilee Year. 29 March - 7 April, 1996. 38-50.
31. Luksaneeyanawin, S. 1995. *Tone transformation*. **Proceedings of the Second Symposium on Natural Language Processing**. Kasetsart University. 2-4 August. 1995. 345-353.
32. Luksaneeyanawin, S. 1995. *Speech, speech processing and, speech technology*. Invited paper presented at the **Second Symposium on Natural Language Processing**. Kasetsart University. 2-4 August. 1995
33. Luksaneeyanawin, S. 1996. *Illformedness revisited*. Paper read at the **Fourth International Symposium on Language and Linguistics: Pan Asiatic Linguistics**. Mahidol University. Bangkok.

34. Luksaneeyanawin, S. Burnham, D., Francis, E. and Pansottee, S. 1997. *The role of L1 background and L2 instruction in the perception of fricative contrasts: Thai and English children and adults*. **Asia-Pacific Journal of Speech, Language and Hearing**. Whurr Publishers, London. 25-42.
35. Luksaneeyanawin, S. and Niyompol, W. 1997. *The application of the Thai text-to-speech system for the education of the blind*. Paper presented at The **Third UNESCO-ACEID International Conference: Educational Innovation for Sustainable Development**. 1-4 December, 1997. Bangkok, Thailand.
36. Luksaneeyanawin, S. 1998. *Intonation system in Thai*. In Daniel Hirst and A. Di Cristo (eds) **Intonation Systems: A survey of Twenty Languages**. Cambridge University Press. 376-395.
37. Luksaneeyanawin, S., Thanavisuth, C., Sittigasorn, S. and Rukkarangsarit, O. 1998. *Pragmatic characteristics of Infant Directed Speech*. In Robert Mannell and J. Robert-Ribes (eds). 1998. **Proceedings of the 5th International Conference on Spoken Language Processing-ICSLP 98**. Australian Speech Science and Technology Association, Incorporated (ASSTA) Sydney, 30 Nov-4 Dec, 1998. 449-52.
38. Luksaneeyanawin, S. 2000. *Speech technology and information technology in the next decade*. Invited paper, appeared in, **Advanced Technology in the Next Decade: Proceedings of the Annual Conference of the Engineering Institute of Thailand under H.M. the King's Patronage**. ISBN 974-7197-24-3. 138-150.
39. Luksaneeyanawin, S. 2000. *Interdisciplinary research methodology: The case of speech technology research*. Invited paper presented at the National Seminar in Interdisciplinary Research Methodology. Organized by the Thailand Research Fund. 1-2 June, 2000. **Journal of Research Methodology**. Chulalongkorn University.
40. Luksaneeyanawin, S. 2000. *Linguistics and machine processing of language*. In D. Burnham, S. Luksaneeyanawin, C. Davis, M. Lafourcade (eds). **Interdisciplinary Approaches to Language Processing**. National Electronic and Computer Technology Centre (NECTEC). 103-114.
41. (In Preparation). *The cognition of politeness: a study of lexical concepts*. Paper presented at the **First International Symposium on Linguistic Politeness: Theoretical Perspectives and Intercultural Approaches**. 7-9 December, 1999. Chulalongkorn University, Thailand. To be published in a volume by John Benjamins.

Co-authored Papers:

1. Ahkuputra V., Jitapunkul S., and Luksaneeyanawin S. 1996 c. *A Speaker-Independent Thai Polysyllabic Word Recognition Using Hidden Markov Model*. **Proceedings of the Nineteenth Electrical Engineering Conference (EECON 19)**, Khonkaen, Thailand, November 1996, pages DS-56 -DS-60.
2. Ahkuputra, V., Jitapunkul, S., and Luksaneeyanawin, S., 1997. *A Speaker Independent Thai Polysyllabic Word Recognition System Using Hidden Markov Model* . **Proceedings of the IEEE Pacific Rim Conference on Communications, Computers and Signal Processing (PACRIM'97)**, Victoria, B.C., Canada, August 20-22, 1997. 593-599.
3. Ahkuputra, V., Jitapunkul, S., Pornsukjantra, W. and Luksaneeyanawin, S. 1997. *A Speaker Independent Thai Polysyllabic Word Recognition System Using Hidden Markov Model*. **Proceedings of the International Symposium on Natural Language Processing 1997-NLPRS'97**. Phuket, Thailand, 2-4 December 1997. 281-286.
4. Burnham, D.K., Kirkwood, K., Luksaneeyanawin, S., and Pansottee, S. 1992. *Perception of Central Thai tones and segments by Thai and Australian adults*. **Proceedings of the Third International Symposium on Language and Linguistics: Pan Asiatic Linguistics**. Volume I. 546-560.
5. Burnham, D.K., Francis, E., Webster, D., Luksaneeyanawin, S., Attapaiboon, C., Lacerda, F., and Keller, P. 1996 a. *Perception of lexical tones across languages: Evidence for a linguistic mode of processing*. In T. Bunnell and W. Idsardi (eds). **Proceedings of the Fourth International Conference on Spoken Language Processing**. Philadelphia. Vol I, 2514-2517.
6. Burnham, D.K., Francis, E., Webster, D., Luksaneeyanawin, S., Lacerda, F., and Attapaiboon, C. 1996 b. *Facilitation or attenuation in the development of speech mode processing? Tone perception over linguistic contexts*. In P. McCormack and A. Russell (eds). 1996. **Proceedings of the Sixth Australian**

International Conference on Speech Science and Technology, Australian Speech Science and Technology Association, Canberra. 587-592.

7. Burnham, D.K., Tam, H., Ciocca, V., and Luksaneeyanwin, S. 2002. *Perception of lexical tone in Cantonese from acoustic and optical information*. **Paper presented at the 29th Australian Experimental Psychology Conference – EPC 2002**. Adelaide. 5-7 April, 2002.
8. Jitapunkul S., Ahkuputra V., Wutiwiwatchai W., Maneenoi E., Kasuriya S., Amornkul P., and Luksaneeyanawin S. 1997. *Thai Automatic Speech Recognition Models*. Paper read at the **International Workshop on Human and Computer Processing Language and Speech**, Chulalongkorn University, December, Bangkok, Thailand. Appeared in D. Burnham, S. Luksaneeyanawin, C. Davis, M. Lafourcade (eds). 2000. **Interdisciplinary Approaches to Language Processing**. . National Electronic and Computer Technology Centre (NECTEC). 195-213.
9. Jitapunkul S., Luksaneeyanawin S., Ahkuputra V., Maneenoi E., Kasuriya S., Amornkul P. 1998. *Recent Advance of Thai Speech Recognition in Thailand*. **Proceedings of the IEEE Asia Pacific Conference on Circuits and Systems-APCCAS 98**. 24-27 November 1998. Chiangmai Thailand. 173-176.
10. Jittiwangkul N., Jitapunkul S., Luksaneeyanawin S., Ahkuputra V., Wutiwiwatchai C. 1998. *Thai Syllable Segmentation for Connected Speech based on Energy*. **Proceedings of the IEEE Asia Pacific Conference on Circuits and Systems – APCCAS 98**). 24-27 November 1998. Chiangmai, Thailand. 169-172.
11. Jittiwangkul, N., Luksaneeyanawin, S., Jitapunkul, S. 2000. *Syllable segmentation Algorithm for Thai Connected Speech*. **Proceedings of the Fourth Symposium on Natural Language Processing–SNLP 2000**. 10-12 May, 2000. Chiangmai, Thailand. 243-251.
12. Kitamura, C., Thanavisuth, C., Burnham, D., Luksaneeyanawin, S. 2002. *Universality and specificity in infant-directed speech: Pitch Modifications as a function of infant age and sex in a tonal and non-tonal language*. **Infant Behavior and Development**. 24.4. 372-392. IS 0163-6383.
13. Sudasana, P., Luksaneeyanawin, S., Burnham, D. 2000. *The bilingual lexicon: The complex nature of lexical and semantic system*. **Proceedings of the Fourth Symposium on Natural Language Processing–SNLP’2000**. 10-12 May, 2000. Chiangmai, Thailand. 182-194.
14. Thanavisuth, C. Luksaneeyanawin, S. 1998 f. *Acoustic Quality of Thai Infant Directed Speech and Adult Directed Speech*. In Robert Mannell and J. Robert-Ribes (eds). 1998. **Proceedings of the 5th International Conference on Spoken Language Processing-ICSLP 98**. Australian Speech Science and Technology Association, Incorporated (ASSTA). Sydney. 30 Nov - 4 December 1998. 445-48.
15. Thathong, U., Jitapunkul, S. and Luksaneeyanawin, S. *Classification of Thai Consonant Naming Using Thai Tone*. **Proceedings of the ICSLP 2000**. Beijing, China. 16-20 October 2000. CD ROM : 01024.
16. Thubthong, N., Kijsirikul, B., Luksaneeyanawin, S. 2001. *Stress and tone recognition of polysyllabic words in Thai speech*. **Proceedings of the Second International Conference on Intelligent Technologies-InTech 2001**. Bangkok. 27-29 November 2001.
17. Thubthong, N., Kijsirikul, B., Luksaneeyanawin, S. 2002. *An Empirical study for constructing Thai tone models*. **Proceedings of the Fifth Symposium on Natural Language Processing and Oriental Workshop**. Hua Hin, Thailand. 179-186.
18. Wuttiwiwatchai, C., Jitapunkul, S., Luksaneeyanawin, S., Ahkuputra, V. and Maneenoi, E. 1998 a. *Thai Polysyllabic Word Recognition using Fuzzy-Neural Network*. **Proceedings of the IASTED International Conference - Signal and Image Processing-SIP 98**. Las Vegas, Nevada, USA. 28-31 October 1998. 521-525.
19. Wuttiwiwatchai C., Jitapunkul S., Luksaneeyanawin S., Ahkuputra V., Maneenoi E. A 1998 b. *New Strategy of Fuzzy-Neural Network for Thai Numeral Speech Recognition*. In Robert Mannell and J. Robert-Ribes (eds). 1998. **Proceedings of the 5th International Conference on Spoken Language Processing-ICSLP 98**. Australian Speech Science and Technology Association, Incorporated (ASSTA). Sydney. 30 Nov - 4 December 1998.
20. Wuttiwiwatchai C., Jitapunkul S., Luksaneeyanawin S., Ahkuputra V., Maneenoi E. 1998 c. *Thai Polysyllabic Word Recognition using Fuzzy-Neural Network*. In Robert Mannell and J. Robert-Ribes (eds). 1998. **Proceedings of the 5th International Conference on Spoken Language Processing-ICSLP 98**. Australian Speech Science and Technology Association, Incorporated (ASSTA) Sydney. 30 Nov -4 December 1998. Volume 3. 767-770.

21. Wuttiwiwatchai C., Jitapunkul S., Luksaneeyanawin S., Ahkuputra V. 1998 d. *Thai Polysyllabic Word Recognition using Fuzzy-Neural Network*. **Proceedings of the 1988 IEEE Second Workshop on Multimedia Signal Processing**. Redondo Beach, California, USA. 7-9 December 1998. 137-142.

Thesis and Dissertation Supervised

There are more than 80 titles of postgraduate thesis and dissertation in the Department of Linguistics, Department of Electrical Engineering, Department of Computer Engineering, Department of Physics, and Department of Educational Research at Chulalongkorn University supervised and co-supervised by Dr. Sudaporn Luksaneeyanawin. There are also a few titles at other universities, co-supervised by her.