

# *Curriculum Vitae*

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1. **Name:** *Suntorn Witosurapot*
2. **Office:** *Department. of Computer Engineering, Room R303  
Prince of Songkla University  
Hat Yai , Songkla , 90112  
Tel: +66 74 287369  
Fax: +66 74 212895  
E-mail: wsuntorn@coe.psu.ac.th*

3. **Position:** *Assistant Professor*

#### 4. **Education:**

<i>Year</i>	<i>Degree</i>	<i>Field</i>	<i>University</i>
1985	B.Sc.	Electrical Engineering	Prince of Songkla University
1989	M.Eng	Electrical Engineering	Prince of Songkla University
2005	Ph.D.	Computer Engineering	Swinburne University of Technology

#### 5. **Teaching Experiences:**

*PSU, Thailand: 1<sup>st</sup> March, 2002 – present (February, 2005)*

##### **2002 – present**

*Undergraduate courses:*

- Computer Networks 3(3-0-0)
- Computer Engineering Project I 2(0-4-0)
- Computer Engineering Seminar I 1(0-1-0)
- Computer Engineering Seminar II 1(0-1-0)
- Internet Engineering 3(3-0-0)

*Postgraduate courses:*

- Special Topics in Information Network Engineering II (Differentiated Services in the Internet) 3(3-0-0)
- Telecommunication, Wireless and Mobile communications 3(3-0-0)
- Embedded and Real Time Systems 3(3-0-0)

#### 6. **Publication**

##### **Research Papers**

1. W. Musigasarn, S. Witusurapot, W. Chukumnird, J. Sopsuk, R. Jirasontikul, S. Siriraksoyon, K. Markvijit and W. Suwannarat “SDL and Advanced Software Engineering Applications: from 3G RRC Protocol to Mahosot” Published in

- Proceeding of The 3rd ECTI Annual Conference (ECTI-CON 2006) 10-13 May 2006, Ubon Ratchathani, Thailand (pp. 291-294)
2. W. Musigasarn, S. Witosurapot, W. Chukumnird, J. Sopsuk, S. Siriraksopon, K. Markvijit and W. Suwannarat “3G systems as essential elements for a network subcomponent of Mahosot Global Systems Services (MGSS): An Architectural Perspective” Published in Proceeding of The 3rd ECTI Annual Conference (ECTI-CON 2006) 10-13 May 2006, Ubon Ratchathani, Thailand (pp. 295-298)
  3. W. Musigasarn, S. Witosurapot, W. Chukumnird, J. Sopsuk, S. Siriraksopon, K. Markvijit and W. Suwannarat “Java and advanced software engineering technologies as enablers for development of Mahosot Global Systems Services (MGSS)” Published in Proceeding of The 3rd ECTI Annual Conference (ECTI-CON 2006) 10-13 May 2006, Ubon Ratchathani, Thailand (pp. 445-448)
  4. S. Witosurapot, P. Suriyachai, W. Musigasarn, J. Sopsuk and R. Jirasontikul, “SDL-based RRC Protocol Development using 3GPP specifications”, Proceeding of The 2005 ECTI International Conference (ECTI-CON 2005), 12-13 May 2005, Pattaya, Thailand (pp. 438-441)
  5. A. Palawan, P. Tandayya, and S. Witosurapot, A Simulation of the HLA infrastructure based on the *ns* network simulation tool, *the 2004 European Simulation Interoperability Workshop (Euro-SIW)*, 28 June - 1 July 2004, Edinburgh, United Kingdom (pp. 53-61)
  6. S. Witosurapot, W. Musigasarn, P. Suriyachai and J. Sopsuk, “Experiences on SDL Modelling of RRC protocol in UMTS network”, Proceeding of The 1st ECTI Annual Conference (ECTI-CON 2004), 13-14 May 2004, Pattaya, Thailand (pp. 299-302)
  7. W. Musigasarn, S. Witosurapot, P. Suriyachai, J. Sopsuk and R. Jirasontikul, “Testing of SDL-based RRC Connection Establishment Procedure in the UMTS Networks”, Proceeding of The 1st ECTI Annual Conference (ECTI-CON 2004) 13-14 May 2004, Pattaya, Thailand (pp. 303-306)
  8. S. Witosurapot, T. Smitalampa, W. Musigasarn, P. Suriyachai and W. Suwannarat, “Development of A Ticketing System for Mobile Electronic Transaction Services”, International Symposium on Communications and Information Technology 2003 (ISCIT 2003), Songkhla, Thailand, September 2003.
  9. W. Musigasarn, S. Witosurapot, P. Suriyachai and T. Smitalampa, “Life Cycle Oriented Tools and Methodologies for Development of Layer 3 and Above Software for 3G Mobile Telecommunication System”, International Symposium on Communications and Information Technology 2003 (ISCIT 2003), Songkhla, Thailand, September 2003.
  10. A. Palawan, P. Tandayya and S. Witosurapot, “An Approach for Analyzing the HLA Performance with the NS Network Simulation Tool”, International Symposium on Communications and Information Technology 2003 (ISCIT 2003), Songkhla, Thailand, September 2003.
  11. S. Witosurapot, J. Lambert and I. Ouveysi, “Optimization Flow Control for Aggregate Traffic Handling in the Differentiated Services Internet”, IEEE International Conference on Computer and Communications (ICC 2002), New York, USA, April 2002.

12. S. Witosurapot, J. Lambert and I. Ouveysi, "Combinatorial Approach to Optimization Flow Control", International Symposium on Communications and Information Technology (ISCIT 2002), Pattaya, Thailand, October 2002.
13. W. Musigasarn, S. Witosurapot, R. Jirasontikul and N.Thongton, "Design of Layer 3 and Above software for 3G Wireless System and Mobile Electronic Transaction Applications", International Symposium on Communications and Information Technology (ISCIT 2002), Pattaya, Thailand, October 2002.
14. S. Witosurapot, J. Lambert and I. Ouveysi, "Combinatorial Approach to Optimization Flow Control", The Sixth Annual Melbourne-Adelaide Teletraffic Workshop, Grampians, Australia, December 2001.

### ***Technical Reports***

1. S. Witosurapot, J. Lambert and I. Ouveysi, "Combinatorial Approach to Optimization Flow Control", Technical Report, Swinburne University of Technology, February 2002.
2. S. Witosurapot, J. Lambert and I. Ouveysi, "Scalable Extension for Per-flow Signaling in Differentiated Services Internet", Technical Report, Swinburne University of Technology, September 2001.
3. 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-IR)* submitted to National Electronics and Computer Technology (NECTEC), National Science and Technology Development Agency (NSTDA), Advanced Telecommunication Research Laboratory (ATRL), November 1992.
4. Suntorn Witosurapot, Technical report of the research project *ISDN Telecommunication Switching System*, Advanced Telecommunication Research Laboratory (ATRL), 1992.

### ***Books (in Thai)***

1. Suntorn Witosurapot, Using 8051 Microcontroller, SE-Education Publishing Company Ltd., ISBN 974-510-278-4, 1994.
2. Suntorn Witosurapot, 8051 Assembly Language Programming, SE-Education Publishing Company Ltd., ISBN 974-510-281-4, 1994.