CURRICULUM VITAE

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EDUCATION:	**YEAR**	**INSTITUTION**	**DEGREE/DIPLOMA**
	1998	Khon Kaen University	B.Sc. (Chemistry)
	2003	Kasetsart University	M.Sc. (Chemistry)
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SCHOLARSHIPS : Postgraduate Education and Research Program in Petroleum and Petrochemical Technology (MUA-ADB) (2000-2003)

: Grant from Thailand Research Fund for basic research grant (RSA4780007) (2003-2004)

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PRESENTATIONS :

1. Songwut Suramitr, Teerakiat Kerdcharern, Toemsak Srikhirin, Supa Hannongbua, Structure and electronic properties of the alkoxy derivatives of poly(para-phenylenevinylene) as explained by TD-DFT calculations. Theory and Applications of Computational Chemistry, February, 15-20, 2004, Gyeongju, Republic of Korea.

2. Wichanee Meeto, Songwut Suramitr, Potjaman Poolmee, Kriengsak Sriwichitkamol and Supa Hannongbua, Quantum chemical calculations on structural and electronic properties of poly(fluorenevinylene). The 8th Annual National Symposium on Computational Science and Engineering Conference (ANSCSE8), July, 21-23, 2004, Suranaree University of Technology (SUT), Thailand.

3. Songwut Suramitr, Supa Hannongbua and Alfred Karpfen, Electronic properties of conjugated polymers based on fluorene, carbazole, dibenzofuran and dibenzothiophene. 40th Symposium for Theoretical Chemistry. Computational Chemistry, September, 19-23, 2004, Suhl, Germany.

4. Songwut Suramitr, Supa Hannongbua, Peter Wolschann and Alfred Karpfen, Time-dependent density functional theory calculations to study the electronic properties of polycarbazole and carbazole-based copolymers. The 2nd Asian Pacific Conference on Theoretical and Computational Chemistry (APCTCC-2), May, 2-6, 2005, Chulalongkorn University, Bangkok, Thailand.

5. Wichanee Meeto, Songwut Suramitr, Potjaman Poolmee, and Supa Hannongbua, Structural and electronic properties of poly(fluorenevinylene) derivatives: Quantum chemical calculations. The 2nd Asian Pacific Conference on Theoretical and Computational Chemistry (APCTCC-2), May, 2-6, 2005, Chulalongkorn University, Bangkok, Thailand.

6. Potjaman Poolmee, Songwut Suramitr, Rungtiwa Chidthong, Supa Hannongbua, Theoretical investigation on electronic property of blue-light emitting conducting polymers 2005. 11th Asian Chemical Congress, August, 24-26, 2005, Korea University, Seoul, Republic of Korea.

7. Rungtiwa Chidthong, Potjaman Poolmee, Songwut Suramitr and Supa Hannongbua, Study of the electronic and absorption properties of the fluorene-pyridine conjugated polymers by theoretical investigation. Modeling Interactions in Biomolecules II, September, 5-9, 2005, Prague, Czech Republic.

8. Witchanee Meeto, Songwut Suramitr, Supa Hannongbua, Effect of conjugation length on structural and electronic properties of conjugated polymeric compounds. 31st Congress on Science and Technology of Thailand (STT31) 2005, 18 - 20 October 2005, Nakhon Ratchasima.

9. Songwut Suramitr, Supa Hannongbua and Alfred Karpfen. Ab initio studies on structural and vibrational frequencies of butadiene derivatives. 31st Congress on Science and Technology of Thailand (STT31) 2005, 18 - 20 October 2005, Nakhon Ratchasima.

10. Apirath Phusittrakool, Sornthep Vannarat, Chanchana Thanachayanont, Songwut Suramitr and Supa Hannongbua, The effect of aluminium atom on structure and electronic properties of MEH-PPV. The 10th Annual National Symposium on Computational Science and Engineering Conference (ANSCSE10), March 22-24, 2006, Chiang Mai University, Thailand.

11. Pornpan Pungpo, Songwut Suramitr and Siriporn Jungsuttiwong. Theoretical investigations on structural, electronic and optical properties of carbazole-capped molecules as novel blue light-emitting hole-transmitting materials, based on quantum chemical calculations. 32st Congress on Science and Technology of Thailand (STT32), 10 - 12 October 2006, Queen Sirikit National Convention Center, Bangkok, Thailand.

12. Songwut Suramitr, Wichanee Meeto, and Supa Hannongbua. Theoretical Investigation of Ground and Excited States Geometry of Conjugated Based on Carbazole Copolymers. The International Conference on Modeling in Chemical and Biological Engineering Sciences held in Bangkok from October 25-27, 2006, The Rama Gardens Hotel Bangkok, Thailand.

PUBLICATIONS :

1. Suramitr, S., Kerdchareon, T., Srikhirin, T., and Hannongbua, S. Electronic properties of alkoxy derivatives of poly(para-phenylenevinylene), investigated by time dependent density functional theory calculations. Synth. Met., 2005, 155: 27-34.

2. Sriwichitkamol, K., Suramitr, S., Poolmaee P., and Hannongbua, S. Structures, absorption spectra, and electronic properties of polyfluorene and its derivatives: A theoretical study. J. Theor. Comp. Chem., 2006, 5, 595-608.

3. Suramitr, S., Hannongbua, S., Wolschann, P. and Karpfen, A. The torsional potential for bifluorene and bicarbazone at high-level *ab initio* and DFT results. To be submitted.

4. Suramitr, S., Hannongbua, S. and Wolschann. Theoretical investigation on electronic transition of carbazole-based molecules by TD-DFT methods. Submitted.

5. Suramitr, S., Meeto, W., Hannongbua, S. and Wolschann, P. Theoretical investigation of structures and electronic properties of conjugated dimer based on fluorene, carbazole, dibenzofuran and dibenzothiophene oligomers. To be submitted.

6. Suramitr, S., Chidthong R., Wolschann, P. and Hannongbua, S. Understanding on absorption and fluorescence electronic transitions of carbazole-based conducting polymers. To be submitted.