Curriculum Vitae

Surawut Chuangchote, Ph.D.

PERSONAL BACKGROUND

First Name: Surawut (สุรวุฒิ スラウット)

Family Name: Chuangchote (ช่วงโชติ シュアンショット)

Date of Birth: May 21, 1981
Age: 31
Nationality: Thai
Religion: Buddhism
Marital Status: Single
Place of Birth: Suphanburi, Thailand

CONTACT

Mobile Phone: +66-86-388-0493
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PROFESSIONAL EXPERIENCES

Academic Positions

Jun. 2012-Present
Invited Lecturer, Selected Topic for Petrochemical and Polymeric Materials Engineering: Nanostructured Materials for Energy Applications, Silpakorn University

Jun. 2012-Present
Researcher, The Joint Graduate School of Energy and Environment, King Mongkut University of Technology Thonburi

Apr. 2010-March 2012
Postdoctoral Researcher (*JSPS Research Fellow)*, Institute of Advanced Energy, Kyoto University, Kyoto, Japan

Feb. and May 2011
Invited Lecturer, Science Dialogue Lectures, Japan Society for the Promotion of Science (JSPS)

Oct. 2009-Mar. 2010
Researcher, Institute of Advanced Energy, Kyoto University, Kyoto, Japan

Apr.-Oct. 2006
Research Assistant, the Petroleum and Petrochemical College (PPC), Chulalongkorn University, Bangkok, Thailand

Reviewer for the International Journals

Journal of Alloys and Compounds, Journal of Applied Polymer Science, Crystal Growth & Design, International Journal of Hydrogen Energy, Journal of the American Ceramic Society, and Journal of Materials Research.

Reviewer for the International Conferences

The 2nd Thai - Japanese Students' Academic Exchange Meeting (TJSE 2007), the 1st to the 4th Thailand - Japan International Academic Conference (TJIA 2008-2011), and the 9th Eco-Energy and Materials Science and Engineering (EMSES 2011).

Invited Talks/Presentations

1. *One-Dimensional Nanofibers for Photovoltaic Applications*, Laboratory of Dr. Joachim Steinke, Department of Chemistry, Imperial College London, United Kingdom, September 10, 2009.
2. *Nanofibers for Solar Cells*, the 4th Thailand-Japan International Academic Conference (TJIA 2011), The University of Tokyo, Tokyo, Japan, November 26, 2011.
3. *Nanofibers for Energy Applications*, Laboratory of Dr. Shigru Niki, National Institute of Advanced Industrial Science and Technology (AIST), Ibaraki, Japan, January 10, 2012.
4. *Development of the Next Generation Solar Cells as Alternative Energy*, JST Meeting Session in 4th International Conference on Sustainable Energy and Environment (SEE 2011): A Paradigm Shift to Low Carbon Society, Centara Grand & Bangkok Convention Centre at Central World, Bangkok, Thailand, February 27-29, 2012.
5. *Applications of One-Dimensional Organic/Inorganic Nanofibers for Photovoltaic Systems*, the 2nd PHOENICS International Symposium, Kumamoto University, Kumamoto, Japan, March 5-6, 2012.

EDUCATION

2010-2012 **Postdoc.** *(Energy Technology)*
Institute of Advanced Energy, Kyoto University, Kyoto, Japan

2006-2009 **Ph.D.** *(Energy Science)* GPA: 4.00
Institute of Advanced Energy, Kyoto University, Kyoto, Japan

2004-2006 **M.Sc.** *(Polymer Science)* GPA: 3.98
The Petroleum and Petrochemical College (PPC), Chulalongkorn University, Bangkok, Thailand

2000-2004 **B.Eng.** (*Petrochemical and Polymeric Materials Engineering)* GPA: 3.39 (2nd Class Honors) Faculty of Engineering and Industrial Technology, Silpakorn University, Nakhon Pathom, Thailand

HONORS/AWARDS

International level

Apr. 2010 *First Place, Science as Art Winner*, MRS, USA
Apr. 2010-Mar. 2012 *JSPS Postdoctoral Fellowship*, Japan
Jul. 2008 *Excellent Poster*, the Society of Polymer Science, Japan
Oct. 2007-Oct. 2009 *Monbukagakusho Scholarship*, Japan

National level

Dec. 2007 *Fine Work*, Fuji Electric co. ltd., Japan
Oct. 2004 *Runner-up, Thailand Innovation Award*, Thailand
Oct. 2004 *Selected Oral Presentation*, Thailand
May 2004 *Excellent Presentation*, the Thailand Research Fund (TRF), Thailand

University level
Apr. 2006 *The Best Student Award*, Chulalongkorn University
Apr. 2006 *Bronze Award, Student Presentation*, Chulalongkorn University
Oct. 2004 *Award for the Person Who Increased the Reputation*, Silpakorn University
May 2004 *Full Scholarship and Monthly Allowance*, Chulalongkorn University
Mar. 2004 *2nd Class Honors*, Silpakorn University
Jan. 2004 *Outstanding Student*, *3.39 point average*, Silpakorn University
Jan. 2004 *Award for the Faculty's Outstanding Student with High Repute*, Silpakorn University
Jun. 2003 *Award for the Faculty's Outstanding Student*, Silpakorn University

TRAINING

Apr. 2004	*ISO 9001: 2000*: Moody International (Thailand) Co.,Ltd. and Department of Industrial Engineering, Faculty of Engineering and Industrial Technology, Silpakorn University, Thailand
May 2003	*R&D Training*: Research and Training Center, PI Industry Co.,Ltd. (a branch of Innovation Group), Bangkok, Thailand
Apr. 2003	*Polymer Technology Summer Camp*: Research and Training Center, Innovation Group Co.,Ltd., Bangkok, Thailand

ACTIVITIES

2012-Present	*Advisor to the President*, Thai Students' Association in Japan under Royal Patronage (TSAJ), 73rd Batch
2011-2012	*Advisor to the President*, Thai Students' Association in Japan under Royal Patronage (TSAJ), 72nd Batch
2010-2011	*Advisor to the President*, Thai Students' Association in Japan under Royal Patronage (TSAJ), 71st Batch
2009-2010	*President*, Thai Students' Association in Japan under Royal Patronage (TSAJ), 70th Batch
2008	*Vice-President for Kansai and Head of Students in Kyoto*, Thai Students' Association in Japan under Royal Patronage (TSAJ), 69th Batch
2007	*Registration and Proceedings Organizing Committee*, TJSE'07, Thai Students' Association in Japan under Royal Patronage (TSAJ), 68th Batch
2007	*Committee*, Graduate Students, Chulalongkorn University
2004-2007	*Head*, Polymer Science students, PPC, Chulalongkorn University
2002-2004	*President*, Petrochemical and Polymeric Materials students, Silpakorn University
2000-2003	*Organizing Staff*, Engineering and Industrial Technology Open House, Silpakorn University
2002	*Participant*, Engineering Volunteer Camp, Kanjanaburi, Thailand
2002	*Head*, staff members for orientation of first year students, Silpakorn University
2001	*Vice-President*, Cheer Club, Silpakorn University

SKILLS

Fabrication of Nanostructured Materials/Thin Films

- Electrospinning of nanofibers (thermoplastic polymers, conductive polymers, biopolymers, and inorganic metal oxides)
- Hydrothermal process (nanofibers, nanoparticles, nanotubes)
- Sol-gel (nanofibers, nanoparticles, nanoporous films, ceramics, metal oxides)
- Film processes (spin coating, spaying, printing)

Fabrication and Characterization of Solar Cells and Photocatalysts

- Dye-sensitized solar cells (DSSC)
- Polymer-based organic photovoltaic (OPV) devices
- Organic-inorganic hybrid solar cells
- Metal oxide photocatalysts for hydrogen evolution

Polymer Processing

- Extrusion, injection molding, blow film process, two roll mill process, internal mixing, and compression molding

Quantitative/Analytical Techniques/Processes

Differential Scanning Calorimetry (DSC), Thermogravimetric analysis (TGA), X-Ray (Wide and Small Angle), Scanning Electron Microscopy (SEM), Optical Microscopy, Melt Rheometry, Dynamic Rheometry, Mechanical Testing, UV-VIS Spectroscopy, Infrared Spectroscopy (FTIR), *I-V* characterization for energy conversion efficeincy, and photocatalytic investigations.

Computing

Program Language: Pascal

Software: MS Office suite (Word, Excel, PowerPoint, Outlook), Internet Browsers, Sigma Plots, Solid Work, Mold Flow, Photoshop, Image Ready, MATLAB.

Language

Thai (Native), English (Good), Japanese (Fair)

PUBLICATIONS

1. Book Chapters

1. Pitt Supaphol, Pornanong Aramwit, Pakakrong Sangsanoh, Sutheerat Changsarn, **Surawut Chuangchote** and Melgardt M. de Villiers, "Conductive Polymers: Materials and Applications," in Novel Polymers and Nanoscience (Mohsen Adeli, Ed.), Transworld Research Network, Kerala, 155-180, 2008.
2. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa, "Fine Structured TiO_2 Nanofibers with High Surface Area for Solar Energy Applications," in Renewable Energy and Environment for Sustainable Development (V. K. Vijay and H. P. Garg, Eds.), Narosa Publishing House, New Delhi, 478-483, 2009.

2. Peer-Reviewed, International Journals (JIF = 2010)

1. **Surawut Chuangchote** and Pitt Supaphol (2006) "Fabrication of Aligned Poly(vinyl alcohol) Nanofibers by Electrospinning," *Journal of Nanoscience and Nanotechnology*, 6(1), 125-129. (JIF = 1.351)

2. **Surawut Chuangchote**, Anuvat Sirivat, and Pitt Supaphol (2006) "Electrospinning of Styrene-Isoprene Copolymeric Thermoplastic Elastomers," *Polymer Journal*, 38(9), 961-969. (JIF = 1.133)
3. **Surawut Chuangchote**, Toemsak Srikhirin, and Pitt Supaphol (2007) "Color Change of Electrospun Polystyrene/MEH-PPV Fibers from Orange to Yellow through Partial Decomposition of MEH Side Groups," *Macromolecular Rapid Communications*, 28(5), 651-659. (JIF = 4.365)
4. **Surawut Chuangchote**, Auvat Sirivat, and Pitt Supaphol (2007) "Mechanical and Electro-Rheological Properties of Electrospun Poly(vinyl alcohol) Nanofiber Mats Filled with Carbon Black Nanoparticles," *Nanotechnology*, 18(14), 145705 (8pp). (JIF = 3.644)
5. Pitt Supaphol and **Surawut Chuangchote** (2008) "On the Electrospinning of Poly(vinyl alcohol) Nanofiber Mats: A Revisit," *Journal of Applied Polymer Science*, 108(2), 969-978. (JIF = 1.240)
6. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2008) "Fabrication and Optical Properties of Electrospun Conductive Polymer Nanofibers from Blended Polymer Solution," *Japanese Journal of Applied Physics*, 47(1), 787-793. (JIF = 1.018)
7. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2008) "Ultrafine Electrospun Conducting Polymer Blend Fibers and Their Photoluminescence Properties," *Macromolecular Symposia*, 264(1), 80-89. (JIF = n/a)
8. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2008) "Efficient Dye-sensitized Solar Cells Using Electrospun TiO_2 Nanofibers as a Light Harvesting Layer," *Applied Physics Letters*, 93(3), 033310 (3pp). (JIF = 3.820)
9. Jaturong Jitputti, Thitima Ratanavoravipa, **Surawut Chuangchote**, Sorapong Pavasupee, Yoshikazu Suzuki, and Susumu Yoshikawa (2009) "Low Temperature Hydrothermal Synthesis of Monodispersed Flower-like TiO_2 Nanosheets," *Catalysis Communications*, 10(4), 378-382. (JIF = 2.827)
10. **Surawut Chuangchote**, Jaturong Jitputti, Takashi Sagawa, and Susumu Yoshikawa (2009) "Photocatalytic Activity for Hydrogen Evolution of Electrospun TiO_2 Nanofibers," *ACS Applied Materials & Interfaces*, 1(5), 1140-1143. (JIF = 2.925)
11. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2009) "Electrospinning of Poly(vinyl pyrrolidone): Solvent Effects on Electrospinnability for Fabrication of Poly(*p*-phenylene vinylene) and TiO_2 Nanofibers," *Journal of Applied Polymer Science*, 114 (5), 2777-2791. (JIF = 1.240)
12. **Surawut Chuangchote**, Michiyasu Fujita, Takashi Sagawa, Hiroshi Sakaguchi, and Susumu Yoshikawa (2010) "Control of Self Organization in Conjugated Polymer Fibers," *ACS Applied Materials & Interfaces*, 2(11), 2995-2997. (JIF = 2.925)
13. **Surawut Chuangchote**, Pipat Ruankham, Takashi Sagawa, and Susumu Yoshikawa (2010) "Improvement of Power Conversion Efficiency in Organic Photovoltaics by Slow Cooling in Annealing Treatment," *Applied Physics Expres*s, 3(12), 122302. (JIF = 2.747)
14. Sorapong Pavasupree, Navadol Laosiripojana, **Surawut Chuangchote**, and Takashi Sagawa (2011) "Fabrication and Utilization of Titania Nanofibers from Natural Leucoxene Mineral in Photovoltaic Applications," *Japanese Journal of Applied Physics*, 50(1), 01BJ16 (3 pp). (JIF = 1.018)
15. Hiroyuki Nomoto, **Surawut Chuangchote**, Takashi Sagawa, Hiroshi Sakaguchi, Susumu Yoshikawa, Makoto Takafuji, and Hirotaka Ihara (2011) "Fabrication of Electrospun Nanofibers Composed of Concentrated Photoactive Molecules," *Molecular Crystals and Liquid Crystals*, 539, 40-44 (380-384). (JIF = 0.543)

16. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2011) "Electrospun TiO_2 Nanowires for Hybrid Photovoltaic Cells," *Journal of Materials Research*, 26(17), 2316-2321. (JIF = 1.395)
17. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2011) "Design of Metal Wires-based Organic Photovoltaic Cells," *Energy Procedia*, 9, 553-558. (JIF = n/a)

3. Proceedings and Transactions

1. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa, Electrospinning of Conductive Polymer Fibers, *Proceeding of the 2nd International Conference on Advances in Petrochemicals and Polymers (ICAPP 2007)*, the Petroleum and Petrochemical Collage, Chulalongkorn University, 2007, NN-O13. (Proceeding CD)
2. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa, Fabrication and Optical Properties of Electrospun Organic Semiconductor Nanofibers from Blended Polymer Solution, *Materials Research Society Symposium Proceedings*, Materials Research Society, 1091E, 2008, 1091-AA07-85 (89-94). (online)
3. Jaturong Jitputti, Thitima Ratanavoravipa, **Surawut Chuangchote**, Sorapong Pavasupee, Yoshikazu Suzuki, and Susumu Yoshikawa, Fabrication of Flower-like TiO_2 Nanosheets by Hydrothermal Method, *Proceeding of the 6th Eco-Energy and Materials Science and Engineering Symposium (EMSES) in ASEAN COST+3: New Energy Forum for Sustainable Environment (NEFSE)*, Kyoto University, 2008, 43-46. (hardcopy)
4. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa, High Efficient Dye-sensitized Solar Cells Using TiO_2 Nanoparticles/Nanofibers as Photoelectrode, *Proceeding of the 6th Eco-Energy and Materials Science and Engineering Symposium (EMSES) in ASEAN COST+3: New Energy Forum for Sustainable Environment (NEFSE)*, Kyoto University, 2008, 47-49. (hardcopy)
5. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa, Fine-Tuning of TiO_2 Nanofibers-Mixed Nanoparticles-Photoelectrode for High Efficient Dye-Sensitized Solar Cells, *ECS Transactions*, The Electrochemical Society, 16(33), 2008, 21-26. (online)
6. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa, High Efficient Dye-Sensitized Solar Cells Using TiO_2 Nanoparticles/Nanofibers as Photoelectrode, *Proceeding of the 1st Thailand-Japan International Academic Conference (TJIA2008)*, Thai Students Association in Japan (TSAJ), 2008, 109-110. (hardcopy)
7. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa, Electrospun Conductive Polymer Nanofibers for Organic Photovoltaic Cells, *Proceeding of the 1st Thailand-Japan International Academic Conference (TJIA2008)*, Thai Students Association in Japan (TSAJ), 2008, 131-132. (hardcopy)
8. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa, Fiber-Based Bulk-Heterojunction Organic Photovoltaic Cells, *Materials Research Society Symposium Proceedings*, Materials Research Society, 1149E, 2008, 1149-QQ11-04 (25-29). (online)
9. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa, One-Dimensional TiO_2 Nanofibers-Comprised Photoelectrode for High Efficient Dye-Sensitized Solar Cells, *Proceeding of the 3rd International Conference on "Sustainable Energy and Environment" (SEE 2009) in World Renewable Energy Congress 2009 – Asia*, The Joint Graduate School of Energy and Environment (JGSEE) of King Mongkut's University of Technology Thonburi and CMP Media (Thailand) Co Ltd., 2008, B2-013. (Proceeding CD)

10. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa, TiO_2 Nanofibers for High Efficient Dye-Sensitized Solar Cells, *Proceeding of the 7th Eco-Energy and Materials Science and Engineering Symposium (7th EMSES)*, Rajamangala University of Technology Thanyaburi (RMUTT), 2009, 242-244. (Proceeding CD)
11. **Surawut Chuangchote**, Michiyasu Fujita, Takashi Sagawa, and Susumu Yoshikawa, Fabrication and Characterizations of Poly(3-hexylthiophene) Nanofibers, *Materials Research Society Symposium Proceedings*, Materials Research Society, 1270, 2010, 1270-HH14-07 (55-60). (hardcopy and online)
12. **Surawut Chuangchote**, Michiyasu Fujita, Takashi Sagawa, and Susumu Yoshikawa, Fiber-Based Bulk-Heterojunction Organic Photovoltaic Cells, *Materials Research Society Symposium Proceedings*, Materials Research Society, 1270, 2010, 1270-II06-93 (145-149). (hardcopy and online)
13. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa, One-Dimensional Nanofibers for Solar Cells and Photovoltaic Applications, *Proceeding of the 3rd Thailand-Japan International Academic Conference (TJIA2010)*, Thai Students Association in Japan (TSAJ), 2010, 64-65. (hardcopy)
14. **Surawut Chuangchote**, Michiyasu Fujita, Takashi Sagawa, and Susumu Yoshikawa, Electrospun Polythiophene Nanofibers and Their Applications for Organic Solar Cells, *Materials Research Society Symposium Proceedings*, Materials Research Society, 1303, 2010, mrsf10-1303-y03-28 (63-67). (hardcopy and online)
15. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa, Electrospun TiO_2 Nanofibers for Organic-Inorganic Hybrid Photovoltaic Cells, *Materials Research Society Symposium Proceedings*, Materials Research Society, 1359, 2011, mrss11-1359-nn07-09. (hardcopy and online)
16. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa, Design of Metal Wires for Organic Photovoltaic Cells, *Proceeding of the 9th Eco-Energy and Materials Science and Engineering Symposium (9th EMSES)*, Rajamangala University of Technology Thanyaburi (RMUTT), 2011, NM41. (Proceeding CD)
17. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa, Indium Tin Oxide Nanofibers and Their Applications for Dye-Sensitized Solar Cells, *ECS Transactions*, The Electrochemical Society, 41(6), 2011, 223-229. (online)

4. Conference Extended Abstracts (presenter is underlined)

1. **Surawut Chuangchote**, Anuvat Sirivat, and Pitt Supaphol (2006) "*Mechanical and Electro-Rheological Properties of Electrospun Poly(vinyl alcohol) Nanofiber Mats Filled with Carbon Black Nanoparticles*," CD-Rom and Abstracts of the 16th Thai Chemical Engineering and Applied Chemistry Conference (Bangkok, Thailand, October 26-27), The Thai Institute of Chemical Engineering and Applied Chemistry (TIChE), Paper #MAT-011, 103. (Oral)
2. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2007) "*Conductive Polymer Fibers through Electrospinning*," Abstracts of the Symposium of Kyoto University 21COE Program on Sustainable Energy System (Kyoto University, Kyoto, Japan, March 12-13), Kyoto University, Paper #P-SB-06, 56. (Poster)

3. **Surawut Chuangchote**, Takashi Sagawa, Toemsak Srikhirin, Pitt Supaphol, and Susumu Yoshikawa, (2007) "*Fabrication of 1D-materials through Electrospinning of Polystyrene/Poly(2-Methoxy-5-(2'-Ethylhexyloxy)-1,4- Phenylene Vinylene) Blend*," CD-Rom and Abstract of the 87th Spring Annual Meeting of the Chemical Society of Japan (Kansai University, Osaka, Japan, March 25-28), the Chemical Society of Japan, Paper #2L4-35*A. (Oral)
4. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2007) "*Conductive Polymer Fibers through Electrospinning*," CD-Rom and Extended Abstract of the 56th Annual Meeting of SPSJ (The Society of Polymer Science, Japan) (Kyoto International Conference Center, Kyoto, Japan, May 29-31), The Society of Polymer Science, Japan, Paper #3Pb056, *Polymer Preprints, Japan*, 56(1), 592. (Poster)
5. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2007) "*Preparation and Characterization of Organic Nanofibers*," Abstract of the 2007 International Symposium on Organic and Inorganic Electronic Materials and Related Nanotechnologies (EM-NANO 2007) (Meilparque Nagano, Nagano, Japan, June 19-22), the Japan Society of Applied Physics (JSAP), Paper #3A-04, 60. (Oral)
6. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2007) "*Electrospinning of Conductive Polymer Fibers*," Abstract of the 2nd International Conference on Advances in Petrochemicals and Polymers (ICAPP 2007) (The Imperial Queen's Park Hotel, Bangkok, Thailand, June 25-28), the Petroleum and Petrochemical Collage, Chulalongkorn University, Paper #NN-O13, 190. (Oral)
7. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2007) "*Fabrication of Conductive Nanofibers by Electrospinning*," Extended Abstract of the 53rd SPSJ (The Society of Polymer Science, Japan) meeting, (Kansai Regional Chapter, Kobe, Japan, July 20), the Society of Polymer Science, Japan, Kansai Regional Chapter, Paper #Pa-5, 115. (Poster)
8. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2007) "*Electrospun Conductive Polymer Nanofibers and Their Optical and Electrical Properties*," Extended Abstract of the 68th Autumn Meeting of the Japan Society of Applied Physics (Hokkaido Institute of Technology, Hokkaido, Japan, September 4-8), the Japan Society of Applied Physics (JSAP), No. 3, Paper #7a-ZN-7, 1259. (Oral)
9. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2007) "*Titania Nanofibers and Their Applications in Dye-Sensitized Solar Cells*," Extended Abstract of the 2nd Thai-Japanese Students' Academic Exchange Meeting (Osaka University, Osaka, Japan, November 2-3), Thai Students' Association in Japan, Paper #NS-O006, 52. (Oral)
10. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2008) "*Fabrication and Optical Properties of Electrospun Organic Semiconductor Nanofibers from Blended Polymer Solution*," CD-Rom and Abstract of the Spring Meeting of Materials Research Society (MRS) (San Francisco, CA, USA, March 24-28), Materials Research Society (MRS), Paper #AA7.85. (Poster)
11. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2008) "*Efficient Dye-Sensitized Solar Cells by Using TiO2 Nanofibers/ Nanoparticles*," CD-Rom and Abstract of the 88th Spring Annual Meeting of the Chemical Society of Japan (Rikkyo University, Tokyo, Japan, March 26-30), the Chemical Society of Japan, Paper #3L6-08. (Oral)

12. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2008) "*Titania Nanofiber Mats and Their Applications in Dye-Sensitized Solar Cells*," CD-Rom and Extended Abstract of the 75th Annual Meeting of the Electrochemical Society of Japan (ECSJ) (Yamanashi University, Yamanashi, Japan, March 29-31), the Electrochemical Society of Japan, Paper # 1P17, 373. (Oral)
13. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2008) "*Highly Oriented Structures of Conductive Polymer Nanofibers*," Abstract of the 4th Asian Conference on Crystal Growth and Crystal Technology (CGCT-4) (Tohoku University, Sendai, Japan, May 21-24), The Asian Association for Crystal Growth and Crystal Technology, Paper #R23AM2-II-7C-4, 159. (Oral)
14. Jaturong Jitputti, Thitima Ratanavoravipa, **Surawut Chuangchote**, Sorapong Pavasupee, Yoshikazu Suzuki, and Susumu Yoshikawa (2008) "*Fabrication of Flower-like TiO_2 Nanosheets by Hydrothermal Method*," Extended Abstract of the 6th Eco-Energy and Materials Science and Engineering Symposium (6th EMSES) in ASEAN COST+3: New Energy Forum for Sustainable Environment (NEFSE) (Kyoto University, Kyoto, Japan, May 25-27), MEXT, JSPS, and Kyoto University, 43. (Poster)
15. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2008) "*High Efficient Dye-sensitized Solar Cells Using TiO_2 Nanoparticles/Nanofibers as Photoelectrode*," Extended Abstract of the 6th Eco-Energy and Materials Science and Engineering Symposium (6th EMSES) in ASEAN COST+3: New Energy Forum for Sustainable Environment (NEFSE) (Kyoto University, Kyoto, Japan, May 25-27), MEXT, JSPS, and Kyoto University, 47. (Oral)
16. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2008) "*Electrospun Conductive Polymer Nanofibers for Organic Photovoltaic Cells*," Extended Abstract of the 54th SPSJ (The Society of Polymer Science, Japan) meeting, (Kansai Regional Chapter, Kobe, Japan, July 18), the Society of Polymer Science, Japan, Kansai Regional Chapter, Paper # Pb-6, 151. (Poster)
17. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2008) "*Fine-Tuning of TiO_2 Nanofibers-Mixed Nanoparticles-Photoelectrode for High Efficient Dye-Sensitized Solar Cells*," CD-Rom and Abstract of the Pacific RIM Meeting on Electrochemical and Solid-State Science (PRiME 2008) (Hilton Hawaiian Village, Honolulu, Hawaii, USA, October 12-17), The Electrochemical Society, Paper #2127. (Oral)
18. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2008) "*High Efficient Dye-Sensitized Solar Cells Using TiO_2 Nanoparticles/Nanofibers as Photoelectrode*," Extended Abstract of the 1st Thailand-Japan International Academic Conference (TJIA 2008) (Tokyo Institute of Technology, Tokyo, Japan, November 21) Thai Students' Association in Japan under Royal Patronage (TSAJ), Paper #NS-E07. (Oral)
19. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2008) "*Electrospun Conductive Polymer Nanofibers for Organic Photovoltaic Cells*," Extended Abstract of the 1st Thailand-Japan International Academic Conference (TJIA 2008) (Tokyo Institute of Technology, Tokyo, Japan, November 21) Thai Students' Association in Japan under Royal Patronage (TSAJ), Paper #NS-P04. (Poster)
20. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2008) "*Fiber-Based Bulk- Heterojunction Organic Photovoltaic Cells*," CD-Rom and Abstract of the Fall Meeting of Materials Research Society (MRS) (Hynes Convention Center, Boston, Massachusetts, USA, December 1-5), Materials Research Society (MRS), Paper #QQ11.4, 385. (Oral)

21. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2008) "*TiO_2 Nanofibers-Comprised Photoelectrode for High Efficient Dye-Sensitized Solar Cells*," Abstract of The 3rd Japan-Korea Bilateral Workshop on Dye-sensitized and Organic Solar Cell (Kitakyushu International Conference Center, Kitakyushu, Japan, December 18-19), Kyushu Institute of Technology (KIT), Paper #Oral-15, 34. (Oral)
22. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2008) "*TiO_2 Nanofibers and Their Applications in Dye-Sensitized Solar Cells*," Abstract of The 3rd Japan-Korea Bilateral Workshop on Dye-sensitized and Organic Solar Cell (Kitakyushu International Conference Center, Kitakyushu, Japan, December 18-19), Kyushu Institute of Technology (KIT), Paper #P-13, 58. (Poster)
23. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2009) "*One-Dimensional Nanostructures for Photovoltaic Devices and Solar Energy Applications*," Abstract of G-COE Kickoff Symposium (Kyoto University, Kyoto, Japan, January 28-29), Kyoto University Global COE Program, Paper #16. (Poster)
24. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2009) "*Electrospun Poly(3-hexylthiophene) Nanofibers and Their Optical and Physical Properties*," CD-Rom and Abstract of the 76th Annual Meeting of the Electrochemical Society of Japan (ECSJ) (Kyoto University, Kyoto, Japan, March 29-31), the Electrochemical Society of Japan. (Oral)
25. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2009) "*One-Dimensional TiO_2 Nanofibers-Comprised Photoelectrode for High Efficient Dye-Sensitized Solar Cells*," CD-Rom and Abstract of the 3rd International Conference on "Sustainable Energy and Environment" (SEE 2009) in World Renewable Energy Congress 2009 – Asia (Bangkok International Trade and Exhibition Center (BITEC), Bangkok, Thailand, May 19-22), The Joint Graduate School of Energy and Environment (JGSEE) of King Mongkut's University of Technology Thonburi and CMP Media (Thailand) Co Ltd., Paper #B2-013. (Oral)
26. **Surawut Chuangchote**, Takashi Sagawa, and Susumu Yoshikawa (2009) "*TiO_2 Nanofibers for High Efficient Dye-Sensitized Solar Cells*," CD-Rom and Abstract of the 7th Eco-Energy and Materials Science and Engineering Symposium (7th EMSES) (Holiday Inn Hotel, Chiang Mai, Thailand, November 19-22), Rajamangala University of Technology Thanyaburi (RMUTT), Paper #ENV19, 54. (Oral)
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