

## **CURRICULUM VITAE**

**Name:** Mr. Chawarat Siriwong

**Date of birth:** June 5, 1983

**Education background :** B.Sc. (Physics), Silpakorn, 2004.  
M.S. (Materials Science), Chiang Mai University, 2006  
Ph.D. (Nanoscience and Nanotechnology), Chiang Mai University, 2009

**Scholarship:** Scholarship from the Development and Promotion of Science and technology Talents project (DPST), 2001-2009.

**Experience:** Short-term researcher for study of hybrid photovoltaic devices using Pure ZnO and WO<sub>3</sub>-doped ZnO at Prof. David Carroll's research group, Center for Nanotechnology and Molecular Materials, Wake Forest University, USA, during September, 2007 and December, 2008.

**Publication and presentations****Journal article**

1. Siriwong, C., Wetchakun, N., Liewhiran, C. and Phanichphant, S., Characterization of  $\text{WO}_3/\text{ZnO}$  Nanocomposites Synthesized by Flame Spray Pyrolysis, *Advanced Materials and Nanotechnology*, 1151, 2009, 13-16.
2. Siriwong, C., Wetchakun, K., Wisitsoraat, A. and Phanichphant, S., Gas Sensing Properties of  $\text{WO}_3$ -doped ZnO Nanoparticles Synthesized by Flame Spray Pyrolysis, *IEEE SENSORS 2009 Conference*, 2009, 118-123.

**Conference papers/Presentations**

1. Siriwong, C., Wetchakun, N., Liewhiran, C. and Phanichphant, S., Characterization of  $\text{WO}_3/\text{ZnO}$  Nanocomposites Synthesized by Flame Spray Pyrolysis, Oral Presentation, The MacDiarmid Institute for Advanced Materials and Nanotechnology conference (AMN-4 2009), 8-12 February 2009, Dunedin, New Zealand.



2. Siriwong, C. and Phanichphant, S., TEM Investigation of  $\text{WO}_3/\text{ZnO}$  Nanocomposites Synthesized by Flame Spray Pyrolysis and their Photocatalytic Activity, Oral Presentation, 65th Annual Meeting of the Japanese Society of Microscopy (JSM), 27-29 May 2009, Sendai, Japan.
3. Siriwong, C., Wetchakun, K., Wisitsoraat, A. and Phanichphant, S., Flame-made  $\text{WO}_3$ -doped ZnO Nanoparticles for Ethanol Sensing, Oral Presentation, German-Thai Symposium on Nanoscience and Nanotechnology 2009, 21-22 September 2009, Chiang Mai, Thailand.
4. Siriwong, C., Wetchakun, K., Wisitsoraat, A. and Phanichphant, S., Gas Sensing Properties of  $\text{WO}_3$ -Doped ZnO Nanoparticles Synthesized by Flame Spray Pyrolysis, Oral Presentation, The 8th IEEE Conference on Sensors (IEEE Sensors 2009 Conference), 25-28 October 2009, Christchurch, New Zealand
5. Channei, D., Siriwong, C., Wetchakun, N. and Phanichphant, S., Synthesis and Characterization of Fe-doped  $\text{CeO}_2$  Nanoparticles and Their Photocatalytic Activity, Oral Presentation, The 5th Annual IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS 2010) 20-23 January 2010, Xiamen, China.



