

# Sheng-Po Hsia

167 Elm Street, Unit 2  
Cambridge, MA 02139

Sinbo770524@gmail.com  
(847)594-2455

## Education -----

- ◆ *M.S., Major in Material Science and Engineering, Northwestern University - June 2012; GPA:3.6/4.0*  
*M.S. Minor in Engineering Management, Northwestern University - June 2012; GPA:3.6/4.0*
- ◆ *B.S of Material Science and Engineering, National Tsing Hua University(NTHU),Taiwan - June 2010;*

## Honors and Awards-----

- ◆ The Excellent Award of MRS-T 2010 Annual Meeting in optoelectronic and optical materials group
- ◆ Graduation Ceremony Representative of MSE NTHU (Tsing class)
- ◆ NTHU Undergraduate Student Research Award in Materials and Sciences

## Research Experience -----

### ◆ Projects&Reports:

- *Bioceramics as a Bone Replacement – Bioactive Calcium Phosphates: Hydroxyapatite (HA) and Tricalcium Phosphate (TCP)* 2011 Northwestern University
- *Engineering and Immobilization of Calixarenes on Surfaces Using Click Chemistry.* 2012 Northwestern University
- *Hybrid Peptide Amphiphile and Collagen Matrix for Cardiac Muscle Regeneration.* 2012 Northwestern University
- *Characterization of catalytic nanoparticles on graphite nanofibers.* 2012 Northwestern University

### ◆ Conference Presentation:

*High-efficiency low color-temperature organic light-emitting diode with a novel carrier modulation structure.* First author. 2010 MRS-Taiwan.

### ◆ Publication:

*High efficiency low color-temperature organic light-emitting diodes with a blend interlayer: accepted by J. Mater. Chem., Advance Article, 02 Sep 2011*

### ◆ Technical Report:

*The synthesis of gold-coated Iron nanoparticles and their application in gene specific silencing in cancer cells after TFO-photo cleaver conjugation.*

## Working Experience -----

- |                     |                                                           |
|---------------------|-----------------------------------------------------------|
| July,2011 - present | Activity event executor of R.O.C.S.A                      |
| Aug,2010 - Jul,2011 | Squad Leader served in Marine Corp of Taiwan (R.O.C)      |
| Jun,2009 - Sep,2009 | Fellowship in NCKU Oral Medical Department                |
| Jun,2008 - Apr,2009 | Biology tutor                                             |
| Jul,2008 - Sep,2008 | Teaching Assistant chief in NTHU 2008 Science Summer Camp |
| Dec,2006 - Jan,2007 | Teaching Assistant in NTHU 2007 Science Winter Camp       |

## Skills-----

### ◆ Management:

Quantitative Analysis, Project management

### ◆ Computer skills:

MATLAB,Microsoft Word, Microsoft Office, Microsoft Excel, Page, Keynote.

### ◆ Experimental Skills :

TEM analysis(BF/DF,CBED,EDS,HREM,EELS,Z-contrast) ,Spin Coating, Vapor Deposition ,Cell Culturing, ELISA, Electrophoresis, Reverse Micelle synthesis, MTT Assay

◆**Language Skills:**

English, Mandarin Chinese, Mandarin(Taiwanese)

**Leadership Experience** -----

◆Activity Executor of Northwestern University ROCSA

◆Teaching chief in NTHU 2008 Science Summer Camp (Best teaching paragon awarded)

◆Squad Leader from August 2010 to July 2011