

**Kok Soon Yie**

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Statement

- Looking for electronic engineer or any related position.

Education

- July 2013 - current** **Master of Engineering Science,
Multimedia University, Cyberjaya, Malaysia**
- Project title: Laser Patterning of Polymer for Application in Flexible Electronics
 - Going to graduate within the year of 2016
- 2009 - Jun 2013** **Bachelor of Engineering (Hons) Electronics majoring
Nanotechnology
Multimedia University, Cyberjaya, Malaysia**
- CGPA: 3.21
 - Final Year Project: Realtime 3D Scanning and Indoor Environment Mapping with Kinect
 - Writing a program to built a 3D Indoor Model on the computer screen by using the data collected from the Microsoft Kinect.
 - Grade: A-
- 2007 - 2008** **Foundation in Engineering
Multimedia University, Melaka, Malaysia**
- CGPA: 3.67
- 2001 - 2005** **S.M.K Seg Hwa, Segamat, Johor**
- Sijil Pelajaran Malaysia (SPM) 9A's 2B
 - Penilaian Menengah Rendah (PMR) 6A's 2B

Working Experience

- July 2013- current** **Research officer: Fs laser patterning and materials
growth (Faculty of Engineering, MMU)**
- Main researcher for laser patterning
 - Co-researcher for TCO growth

Feb - May 2012

Lab's Engineer (Industry Training in AMD Penang (Export) Malaysia)

- To carry out failure analysis on product and analyse the root cause of the failure.
- To carry out reliability test on the product that have successfully in passing the quality testing.

Expected salary

RM 2800

Current status

- Master degree graduated within 2016
- Can start to work at July

Competencies

Research related Skill

- **Characterization** : Atomic Force Microscopic (AFM), profilometer, microscope
- **Fabrication devices**: Thermal evaporator, Nano and femtosecond pulsed laser
- **Lab hands on skill, optical alignment skill, characterization and analysis skill, electronics**

Computer Skill

- **Programming Languages** : C,C++ , Intel Assembly Language , PSpice
- **Software Tools** : Microsoft Office, Open Office, Power point, Excel, Origin
- **Simulation Software** : Solid Works

Language Proficiency

- Fluent in speaking, writing and reading in English, Mandarin and Malay

Curriculum & Subjects

Advance Fabrication Technology, Nano/Microelectro Mechanical devices, Semiconductor Devices, Nano-Science, Diagnostic Technology, Engineering Mathematics, Microcontroller and Microprocessor Systems, Solid State Electronics, Optoelectronics Devices, Power Electronics, Electronics, Advance Microprocessor.

Publication

Kok, S. Y., Tou, T. Y., Yap, S. L., & Yap, S. S. (2016). Pulsed laser interference patterning of polyimide grating for dye-doped polymer laser. *Journal of Nanophotonics*, 10(3), 033003. doi:<http://dx.doi.org/10.1117/1.JNP.10.033003>

Activities (research and projects)

- 2015 OPIC Optics & Photonics International Congress, Pacifico Yokohama, April 22- 24, Japan, 4th Advanced Lasers and Photon Sources (ALPS'15), 2015**
- Pulsed Laser Interference Patterning of Polyimide for Dye Doped Polymer Laser, S.Y.Kok, T.Y.Tou, S.S.Yap, oral presentation by S.Y.Kok.
- Summer School On Lasers and Laser Applications, Gwangju, Korea, July 06 -11, 2015**
- Organized by Asian Laser Center, APRI.
- 2014 Student Exchange program at National Chiao Tung University (NCTU), Taiwan, Feb 17 – Oct 17.**
- 2013 The 12th Asia Pacific Physics Conference (APPC12), Chiba, July 14-19, 2013**
- Low Temperature Growth of Undoped and Al-doped ZnO Films by Pulsed Laser Deposition, K. C. Tan, Y. S. Lee, S. L. Yap, S. Y. Kok, C. H. Nee, W. O. Siew, T. Y. Tou and S. S. Yap, poster presented by S. S. Yap.
- 2011 Research project: Synthesis of Tunable Superparamagnetic Colloidal Nano-Clusters using Iron Oxide**
- To synthesize powerful cluster that can apply it to portable magnetic applications.
- Member: Nano-MAG project**
- Produce an experimental kit for Nano-tech which fulfilled the objectives of exposing the next generation about Nanotechnologies and mainly concerned to educate the eldest of ongoing current chemically synthesize particles (magnetite).
- 2010 Member: Electronic Design project**
- Project on designing electronic time counter
- 2011 Attended Magnetism Symposium 2011, organized by NUS, Singapore Data Storage Institute, IEEE Magnetic Society Singapore Chapter.**
- The talks covered various fields ranging from magnetic recording and magnetic random access memory to magnetocalorics.
- 2009 Participated in the initial phase of ROBOCON**

- Designing a robotic arm for object grapping.

Awards and achievement

2012 Certificate of Excellence for

- Best presentation of group assignment
 - Title: Implantable MEMS Drug Delivery Device
- Best report of group assignment
 - Title: Implantable MEMS Drug Delivery Device

Personal Strengths

- Strong initiative at work in learning new skills.
- Works well in a team, have a positive attitude.
- Highly organized and dedicated to work.

References

Dr. Yap Seong Shan
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