

SOO HOON CHEW

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Personal Particulars

Nationality: Malaysian
Place of Birth: Kuala Lumpur, Malaysia

Education

- 2008 – present **Ludwig Maximilians University of Munich**, Munich, Germany
PhD in Physics (*major in Quantum Optics*)
Research Supervisor: Prof. Dr. Ulf Kleineberg, ulf.kleineberg@physik.uni-muenchen.de
Research Title: Ultrafast Dynamics of Nanoplasmonics at Metallic Nanostructures in the Sub-Femtosecond Time Regime
- 2005 – 2008 **University of Malaya**, Kuala Lumpur, Malaysia
Master of Science in Physics (*Full research*)
Research Supervisor: Prof. Dr. Wong Chiow San, cswong@um.edu.my
Research Title: X-Ray and EUV Emission Characteristics of a Vacuum Spark
- 2001 – 2004 **University of Malaya**, Kuala Lumpur, Malaysia
Degree in Bachelor of Science (Major in Physics) (*Honours*)
Project Supervisor: Prof. Dr. Yusoff Mohamad Amin, yusoffmohdamin@um.edu.my
Project Title: Determination of Area Dose in Medical, Dental and Physics Facilities Using TLD-100H Dosimeter
- 1999 – 2000 **Setapak High School**, Kuala Lumpur, Malaysia
Malaysian Higher School Certificate (*4 Principles*)

Participated Academic Programs

8th International Workshop on LEEM-PEEM, Tsimshatsui, Hong Kong: November 2012
Participating in the workshop and presenting a poster on 'TOF-PEEM for Probing and Control of Nanoplasmonic Optical Fields at Ultrahigh Spatiotemporal Resolutions'.

2011 Deutsche Physikalische Gesellschaft (DPG) Spring Meeting of the Condensed Matter Session, Dresden, Germany: March 2011
Presenting a talk entitled 'TOF-PEEM Using High Harmonic Radiation'.

2nd International Workshop on Ultrafast Nanooptics, Bad Dürkheim, Germany: June 2010
Participating in the workshop and presenting a poster on 'Characterization of Plasmonic Nanoantennas for Enhanced High Harmonic Generation by 2P-TOF-PEEM'.

2nd National Workshop on Non-Linear and Time-Resolved PEEM, University of Duisburg-Essen, Duisburg, Germany: Oct 2009
Participating in the workshop and presenting a poster.

2008 CERN Summer Student Program (Non-Member States), Geneva, Switzerland & Preveessin, France: June-August 2008
Participating in the summer lectures and working on 'Noise in the Readout of ATLAS Liquid Argon Calorimeters'.

The 14th Vietnam School of Physics (VSOP), Quy Nhon, Vietnam: Jan 2008
Participating in the (i) Condensed Matter Physics; (ii) Particle Physics and Cosmology scientific program.

The 32nd International Nathiagali Summer College on Physics and Contemporary Needs (INSC), Nathiagali, Pakistan: July 2007
Participating in the (i) Nuclear Energy & New Energy Technologies; (ii) Technology & Applications of Synchrotron Light Source scientific activities.

The 4th National School on Photoemission, National Synchrotron Research Centre (NSRC), Nakhon Ratchasima, Thailand: April 2005
Workshop and research activities.

Research Experience

April 2004 – Dec 2004 **Research assistant** of Plasma Research Laboratory, Physics Department, Faculty of Science, University of Malaya.
Research topic: EUV Spectroscopic Measurements of Vacuum Spark Plasmas

Teaching Experience

Jun 2005 – May 2007 **Teaching assistant** of Second Year Physical Laboratory (Plasma Physics), Physics Department, Faculty of Science, University of Malaya.

Teaching assistant of First Year Physical Laboratory, Physics Department, Faculty of Science, University of Malaya.

Jan 2002 – Dec 2006 **Private tutor** of A-level Physics, Pre-University Physics & Mathematics.

Jan 2000 – April 2000 **Part-time school science teacher** of Hot Spring Lower Secondary School, Setapak, Kuala Lumpur.

Awards

2008 – present The International Max Planck Research School of Advanced Photon Science (IMPRS-APS) scholarship for Ph.D studies.

2005 – 2007 Graduate Research Scholarship (Pascasiswazah Sains) for Master of Science Degree by Institute of Research Management and Consultancy (IPPP), University of Malaya.

Vote F Research Grant by Institute of Research Management and Consultancy (IPPP), University of Malaya.

2001 – 2004 Japan Shin-Etsu Full Scholarship for Bachelor of Science in Physics at University of Malaya.

Extra Curricular Achievements

2006 Organizing Committee of the Undergraduate Physics Colloquium 2006 for the Physics Department, University of Malaya.

2005 Organizing Committee of The 2nd International Meeting on Frontiers of Physics (IMFP), Kuala Lumpur.

2004 – 2005 Exhibitor in Expo Science & Technology, University of Malaya.

2001 – 2002 Committee member of Health Exhibition & Blood Donation Campaign in residential college, University of Malaya.

Skills

Languages: Good comprehension and skills of reading, writing, speaking and listening in English, Mandarin and Malay Language as well as basics in German.

Computer Skills & Application: AutoCAD, MATLAB, ORIGIN, FORTRAN, CorelDRAW & Adobe Photoshop

MS Office Application: MS Word, Excel, Power Point & Photo editor.

References

Prof. Dr. Ulf Kleineberg
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