

Curriculum Vitae (CV)

Name: Thong Ying Li

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Nationality: Malaysia



Current Position: Education Specialist (Physics/ Mathematics), Training and Research Division in Seameo Recsam

Academic Qualification:

1. Degree of Bachelor Science (Hons) (Computational Physics and Electronics) – (University of Malaya)
2. Postgraduate Diploma in Education (KPLI) Major Physics, Minor Mathematics – (Teachers' Training Institutes)
3. Master of Science, School of Mathematics (Teaching of Mathematics) – (University of Science Malaysia)
4. Master of Science, School of Physics (Experimental Physics) – Research title: Synthesis of Gold and Silver Nanoparticles Assisted by DC Helium Microplasma Jet at Atmospheric Pressure (University of Malaya)
5. Doctor of Philosophy, School of Physics, Condensed Matter and Computational Physics – Research title: Applications of Artificial Intelligence for Solving Global Optimization Problems in Physics (University of Science Malaysia) (2018 -current) (Viva in August 2022)

Teaching Experience (16 years): Government School Teacher: (2006 – current)

1. Pre-U Physics teacher in SMK Asyakin
2. Pre-U Physics teacher in Chung Ling High School
3. Physics & Science Teacher – Haji Zainal Abidin High School
4. Research Assistant in Plasma Laboratory in University of Malaya
5. Pre-U Mathematics (T) and Mathematics (M) Teacher in Haji Zainul Abidin Sixth Form College
6. Pre-U Physics Teacher - Heng Ee High School, Penang
7. SEAMEO RECSAM (2022 – Current)

Year 2022

Mentorship & Grant Competition of 21st Asia-Pacific Training workshop on EIU

Minecraft Heritage Immortalized Championship 2022 workshop: Participant

Using Film to Build Competence and Dialogue – Live session with Ms. Jennifer Geist

Easy 3D AR workshop - Facilitators

Digital Resilience Workshop-Enhancing Cybersecurity for online safety and healthiness

AI for Robotics and Future Vision for Smart Factories

Digital Manufacturing Blueprint Recap: Exabytes

Digital Transformation of Non-Formal Education Webinar

21st Asia-Pacific Training Workshop on EIU (APTW)-Training workshop: Critical thinking toward issues around the world & Transformative pedagogical approaches on GCED

21st Asia-Pacific Training Workshop on EIU (APTW) -Training workshop: Global (Global-Local) Justice and GCED, Revisiting the Global Citizenship

Creative Math workshop for teachers

Digital Manufacturing Blueprint – A Cloud-first approach for IR 4.0 Adoption: Conference

Best Paper Award – 1st Place – “Impact of STEM Problem-Based Learning Approaches on Knowledge Integration and Attitudes on Malaysia Band 1 and Band 6 High School Students (via competition)’ -2022 BE-MTS International Research Conference With the theme “connecting the links of Science, Technology, Engineering and Mathematics (STEM) for an Enhanced Mathematics Teaching-Learning Process in the New Normal

2022 BE-MTS International Research Conference -“Connecting the Links of Science, Technology, Engineering, and Mathematics (STEM) for an Enhanced Mathematics Teaching-Learning Process in the New Normal” by Department of Education Region VII (DepEd VII), St. Paul University Dumaguete (SPUD), Negros Oriental State University (NORSU), Department of Education - Bohol (DepEd – Bohol) – Paper Presenter

2022 BE-MTS International Research Conference -“Connecting the Links of Science, Technology, Engineering, and Mathematics (STEM) for an Enhanced Mathematics Teaching-Learning Process in the New Normal” with the title STEM Problem-Based Learning Approaches (via competition) on Knowledge Integration and Learning Attitudes of Malaysia High School Students (Full paper of Book Proceedings)

International Webinar on Drone UAV: Application Status & Prospect of UAV Technology – Discourse on STEM Education

Co-host with ICCCM International Virtual Education Fair 2022

Epidemic Prevention and Control

RIKEN Symposium -7th URICAS Conference

International Webinar on Women in Higher Education:” Advancing Leadership in a VUCA World”

Why can computer compute? Online Seminar (Math Colloquium) by USM, Doshisha University, Kyoto Japan(Professor Hirohide Haga)

Webinar on Climate Science Literacy

'Prerequisite course for 21st Asia-Pacific Training Workshop on EIU'

Webinar on Application Status & Prospect of UAV Technology – Discourse on STEM Education

Judge Digital Storytelling Contest (DISCONT) 2022 organized by SEAMEO Recsam

12th Regional Congress Search for SEAMEO Young Scientist (SSYS) – Moderator

Attending In-house Workshop on ‘Learning Mathematics through Problem Solving: A Japanese Approach’

Webinar on "Fostering Digital Citizenship through Safe and Responsible Internet Use"- Google & DQ –

Developing Secondary Students’ Mathematical Thinking through Problem Solving

Kerjasama Program antara Pusat Sains Negara Cawangan Wilayah Utara dan SEAMEO RECSAM

Workshop on “Psychometric Criteria in Quantitative Research Using Rasch Model Measurement and Report Writing”

Regional Workshop (blended-mode) on “Education 4.0 : Issues, Challenges and Future Direction towards SEAMEO Priorities and Sustainable development Goals (SDGs) (Phase 2)”

2nd SEAMEO-New Zealand Master Class on Digital Revolution for Education

Collaboration with UKM: General Frame work: The Longitudinal Trajectories and Pattern of Behavioral, Cognitive and Affective Engagement and Affective Engagement and Mathematics Self-Concept Over Secondary School Students Mathematics Performance

SEAMEO-AUS EduLink Webinar on ePortfolios in Education workshop: Participants

Instructional Design using Blended Learning Model in Secondary Science and Mathematics

3D Printer: Cura Advanced Setting, 3D Print Post Processing Fundamentals, 3D Modelling with Blender

3D Modelling with TinkerCAD, 3D Printing with 3D Pen

Regional Workshop (Blended-Mode) on 'Education 4.0: Issues, Challenges and Future Direction towards Development Goals (SDGs) (Phase 2)

Education in climate emergency: Ensuring learning continuity in planned, sudden and massive Confirmation

SEAMEO-AUS EduLink Webinar on e-Portfolios in Education

How to Build a Website in Two Days by Exaybytes

Regular Course: "Developing Secondary Students' Mathematical Thinking through Problem Solving"

Year 2021

High Performance Formatting using MS Word (Advance)

SEAMEO Congress 2021: Transforming Southeast Asian Education, science and Culture in the Digital Age

Information Search Advance Part 1: Searching and Writing

Year 2020

Python and Tensor Flow Learning

Udemy AI Online Course by Udemy

Year 2019

Attending Occupation Safety and Health Course, Health Occupational Safety & Health Unit, USM

Introduction To Customer Data Platform (CDP)

Year 2018

'National Innovation and Invention Competition Through Exhibition 2018' Peringkat Kebangsaan "National Innovation and Invention Competition Through Exhibition 2018 (iCompex'18)

11th Regional Congress Search for SEAMEO Young Scientists "Youth Creativity for Harmonizing Sustainable Development Goals" at SEAMEO RECSAM, Penang, Malaysia: My secret garden – Garden Wings, SMJK Heng Ee, Teacher Advisor: Special Award For Creativity/ Innovation

SSYS Workshop: Exploring STEM education through Toy Designing, RECSAM – JICA SV, Yuji Otsuka

iCompEx'18 National Innovation and Invention Competition Through Exhibition 2018 - Mini Weather Station: Silver Medal

Taklimat dan Bengkel Penyelarasan Rubrik Pemarkahan Kerja Kursus (KK) Mata Pelajaran Physics (960/4) Sijil Tinggi Persekolahan Malaysia (STPM) 2019 Peingkat Negeri Penggal 1 Hingga 3: Perkongsian Bahan Taklimat Umum Kerja Kursus STPM oleh Ketua Eksekutif MPM, Perbincangan Kerja Kursus 2018, Perbincangan Kerja Kursus Penyelidikan 2017, Penyemakan dan Pemarkahan Kerja Kursus

ITEX 2018 Kuala Lumpur Convention Centre; 8 teams – 5 Golds, 2 Silvers, 1 Bronze

29th International Invention, Innovation & Technology Exhibition 2018, World Young Inventors Exhibition (WYIE) 2018: ITEX 2018 Kuala Lumpur Convention Centre - 8 teams

29th International Invention, Innovation & Technology Exhibition 2018, World Young Inventors Exhibition (WYIE) 2018, Furniture Fantasy: 1) Tertiary Gold Medal 2) Best Invention Award (out of 3) – Tertiary

29th International Invention, Innovation & Technology Exhibition 2018, World Young Inventors Exhibition (WYIE) 2018, E-city: 1) Tertiary Gold Medal 2) Best Invention Award (out of 3) – Tertiary

29th International Invention, Innovation & Technology Exhibition 2018, World Young Inventors Exhibition (WYIE) 2018, Mini weather station: 1) Tertiary Gold Medal

29th International Invention, Innovation & Technology Exhibition 2018, World Young Inventors Exhibition (WYIE) 2018, T-filter: 1) Tertiary Silver Medal

Intel Aspire Minds Innovation Space Challenge: STEM Workshop Sempena World Young Inventor (ITEX) 2018 dan World Scratch Day - Sijil Penghargaan Atas komitmen dalam menjayakan Intel Aspire Minds Innovation Space Challenge

Tawaran Bersyarat Program Penajaan/ Cuti Belajar Bergaji Penuh Kementerian Pendidikan Malaysia Tahun 2018: Cuti Belajar Bergaji Penuh Dengan Biasiswa (Hadiah Latihan Persekutuan) Kedoktoran - Kluster: Pengajaran dan Pembelajaran (PDP): LDP 1200 – STEM, LDP 1202 – Fizik

Jemputan Kursus Persediaan Pengajian Bagi Penerima Program Cuti Belajar Bergaji Penuh (CBBP) KPM tahun 2018: Kursus Persediaan Pengajian

World Invention Creativity Olympic 2018: WICO 2018 Seoul, Korea Organized by Korea University Invention Association: 4 teams: 3 Golds, 1 Silvers

World Invention Creativity Olympic 2018: WICO 2018 Seoul, Korea Organized by Korea University Invention Association WICC - World Invention Creativity Contest: E-City – Gold Award

World Invention Creativity Olympic 2018: WICO 2018 Seoul, Korea Organized by Korea University Invention Association WICC - World Invention Creativity Contest: RESCUS SOS – Gold Award

World Invention Creativity Olympic 2018: WICO 2018 Seoul, Korea Organized by Korea University Invention Association WICC - World Invention Creativity Contest: RESCUS SOS: Road Repairing Machine – Gold Medal Award

World Invention Creativity Olympic 2018: WICO 2018 Seoul, Korea Organized by Korea University Invention Association WICC - World Invention Creativity Contest: Food Matter – Silver Awards

Pertandingan Inovasi Pengajaran (PIP 2018): Peringkat Kebangsaan, Universiti Utara Malaysia (UUM): 12 Pasukan: 1 Anugerah Terbaik, 3 Anugerah Emas, 4 Anugerah Perak dan 5 Anugerah Gangsa

Pertandingan Inovasi Pengajaran (PIP 2018): Peringkat Kebangsaan, Universiti Utara Malaysia (UUM): E-city: 1) Anugerah Terbaik 2) Anugerah Emas

Pertandingan Inovasi Pengajaran (PIP 2018): Peringkat Kebangsaan, Universiti Utara Malaysia (UUM): Filter Lamp -Anugerah Emas

Pertandingan Inovasi Pengajaran (PIP 2018): Peringkat Kebangsaan, Universiti Utara Malaysia (UUM): Eco-plastic -Anugerah Emas

Pertandingan Inovasi Pengajaran (PIP 2018): Peringkat Kebangsaan, Universiti Utara Malaysia (UUM): H.E.S.O.S - Anugerah Perak

Pertandingan Inovasi Pengajaran (PIP 2018): Peringkat Kebangsaan, Universiti Utara Malaysia (UUM): Road Repairing Machine - Anugerah Perak

Pertandingan Inovasi Pengajaran (PIP 2018): Peringkat Kebangsaan, Universiti Utara Malaysia (UUM): Flood Defense Tool - Anugerah Perak

Pertandingan Inovasi Pengajaran (PIP 2018): Peringkat Kebangsaan, Universiti Utara Malaysia (UUM): Super Drain Cleaner -Anugerah Perak

Pertandingan Inovasi Pengajaran (PIP 2018): Peringkat Kebangsaan, Universiti Utara Malaysia (UUM): Survival Glove - Anugerah Perak

Pertandingan Inovasi Pengajaran (PIP 2018): Peringkat Kebangsaan, Universiti Utara Malaysia (UUM): Multifunction Bio-Helmet – Anugerah Gangsa

Pertandingan Inovasi Pengajaran (PIP 2018): Peringkat Kebangsaan, Universiti Utara Malaysia (UUM): Auto-watering Garden – Anugerah Gangsa

Pertandingan Inovasi Pengajaran (PIP 2018): Peringkat Kebangsaan, Universiti Utara Malaysia (UUM): Multipurpose Thermo Flask – Anugerah Gangsa

Pertandingan Inovasi Pengajaran (PIP 2018): Peringkat Kebangsaan, Universiti Utara Malaysia (UUM): Smart Pen Station – Anugerah Gangsa

MALAYSIA TIMA CONFERENCE: Plenary Lecture: Future Impact of Climate Change: The Malaysia Scenario, Climate Change adaption & Disaster Risk Reduction in Health, Hospital Tackling Climate Change, Mitigation & adaptation, Creating Menu of Change – Health Food in Health Care, Disaster Medicine, Symposium 1: The impacts of Climate Change on Human Health, Cardiopulmonary illness, Ecosystem and human health, Mental health consequences & stress, Disaster Risk Reduction Programme, Symposium 2: Compassionate and Healthy Lifestyle, Plant-based diet, Compassion to animals, Symposium 3: Extreme Events, Malaysia Relief & International Relief

A.I.CKTHON 2018-A.I Hackathon Southeast Asia at Iskandar Space: Team Phantom – Second Runner -Up

Year 2017

Ketua Pengawas Ujian MUET Writing Sesi Mac 2017

Ketua Pegawai Peperiksaan Sijil Tinggi Persekolahan Malaysia Penggal 2 2017

Bengkel Latihan International Physics Olympiad (IphO) 2017, Pusat Pengajian Fizik Gunaan, Fakulti Sains dan Teknologi, Universiti Kebangsaan Malaysia, Bangi, Selangor

Globe Program Taiwan - Invitation to attend HSP and ENIEP fair/ Exhibition-GLOBE Asia-Pacific Science Festival & International Student Fair, High Scope Program (HSP) and Nano-technology Informal Education Project (ENIEP) by Taiwan's Ministry of Science and Technology (MOST)

Sesi Dialog: Transformasi Nasional 2050 (TN50) Bersama YB Menteri Belia dan Sukan Peringkat Negeri Pulau Pinang 2017), Peringkat Negeri Pulau Pinang

28th International Invention, Innovation & Technology Exhibition 2017, World Young Inventos Exhibition Award 2017: Certificate of Participation: Teacher Advisor

28th International Invention, Innovation & Technology Exhibition 2017, World Young Inventos Exhibition Award 2017: Gold Medal Awards

28th International Invention, Innovation & Technology Exhibition 2017, World Young Inventos Exhibition Award 2017: Silver Medal Awards

Ketua Pengawas - Taklimat dan Bengkel Pengurusan Peperiksaan dan lawatan pusat

Pelantikan Petaksir Kerja Kursus tingkatan 6 2017, Pentaksir Kerja Kursus Subjek Fizik

ACCCIM STI Competition 2017-Detect Air Pollution with Digital Camera (Competition) by ACCCIM (The Associated Chinese Chambers of Commerce & Industry of Malaysia) Science and Technology Innovation (STI): Teacher Advisor, Certificate of Recognition: Merits prize winner

The High Scope Program (HSP) and the Nano-Technology Informal Education Project (ENIEP), Taipei, Taiwan: STEM, MAKER MOST-A-Thon: HIGHSCOPE Rooting Locally, Connecting Globally, Foreseeing Future, Certificate of participation & Excellent Award by Der-Tsai Lee (Coordinator HIGHSCOPE Program), Chung – Yu Wye (Coordinator FORESEEING Program), Pay-Liam Jin (Coordinator GLOBE Program Taiwan)

Pertandingan Inovasi Sains dan Kejuruteraan Piala Pengarah Pendidikan Pulau Pinang (Karnival Pendidikan Sains & Teknologi Peringkat Negeri): Mentor, Johan

Jemputan ke Pertandingan Inovasi Sains dan Kejuruteraan Dalam Karnival Pendidikan Sains dan Teknologi Peringkat Negeri 2017

34th Cheng Kung University Science and Mathematics Competition and Symposium of Teaching of Physics, Persatuan Siswazah-siswazah Tai-wan Cheng Kung Universiti Malaysia/ ACKUM, Secretariat of Cheng Kung University: Excellent Awards

2017 11th World Alumini Cheng Kung University Carnival - ACKU World Carnival

Pemeriksa: Kod Pemeriksa: 4531/2/P1010 - Peperiksaan Sijil Pelajaran Malaysia (SPM) Tahun 2017

34th Cheng Kung Science and Mathematics Competition - 5th Place

Petugas Peperiksaan Peperiksaan Sijil Tinggi Persekolahan Malaysia (STPM) Penggal 1 2018 dan Ulangan Penggal 2 2017 dan Peperiksaan STPM Penggal 1 2018

Year 2016

Pertandingan Kuiz Sains dan Matematik 2016, Dewan YMCA, Georgetown, Pulau Pinang

Program Gemilang Potensi Akademik Pejabat Pendidikan Daerah Timur Laut 2016

Kejohanan Ping Pong Peringkat Zon Tahun 2016, Kejohanan Ping Pong MSSPP Zon Jelutong

Jurulatih Pasukan Kejohanan Ping Pong MSSPP Zon Jelutong, Peringkat Umur 18 Ta-hun ke Bawah Daerah Timur Laut Tahun 2016

Chief Invigilator - Ketua Pengawas Peperiksaan Sijil Tinggi Persekolahan Malaysia (STPM) Ulangan Penggal 3 2015

Kejohanan Ping Pong MSSPP Peringkat Negeri Pulau Pinang, Majlis Sukan Sekolah Pulau Pinang, MSSPP, Sijil Penghargaan: Sumbangan dan Khidmat bakti

Jawatankuasa Pengelola Kejohanan Ping Pong MSSPP Negeri 12TKB, 15TKB & 18TKB (2016)

Chief Invigilator - Ketua Pengawas Peperiksaan Sijil Tinggi Persekolahan Malaysia (STPM) Penggal 2 2016

Science and maths Quiz 2016 by UCSI University Centre for Pre-U Studies

Guru Pengiring pasukan: Kejohanan Ping Pong Peringkat Zon Tahun 2016, Kejohanan Ping Pong MSSPP Zon Jelutong

Pelantikan Sebagai Guru Penasihat/ Pembimbing Sukan dan Permainan Futsal Tingkatan Enam 2016

Perlantikan Sebagai Guru Penasihat/ Pembimbing Unit Ber-uniform Pengakap Tingkatan Enam 2016

Jemputan Untuk Menyertai Kuiz Sains dan Ma-tematik Universiti UCSI Peringkat Kebangsaan 2016, Pertandingan Kuiz Sains dan Matematik Universiti UCSI (peringkat Kebangsaan) pada 23 Julai 2016 di Kuala Lumpur

Taklimat dan Bengkel Pengurusan Peperiksaan, Sijil Tinggi Persekolahan Malaysia Penggal 2 2016

Taklimat dan Bengkel Penyelarasan Rubrik Pemarkahan Kerja Kursus (KK): Mata Pelajaran Mathematics (T) Sijil Tinggi Persekolahan Malaysia (STPM) Peringkat Negeri Untuk STPM 2017

Taklimat Ketua Pengawas Pusat Peperiksaan: SMJK Heng Ee Pulau Pinang, Sijil Tinggi Persekolahan Malaysia Peperiksaan STPM Penggal 2 2016

Taklimat dan Bengkel Penyelarasan Rubrik Pemarkahan Kerja Kursus (KK): Mata Pelajaran Mathematics (M) Sijil Tinggi Persekolahan Malaysia (STPM) Peringkat Negeri Untuk STPM 2017

Jemputan Seminar Pendidikan Guru-guru Tingkatan 6 Jabatan Pendidikan Pulau Pinang 2016, Sektor Pengurusan, Sekolah dan Sektor Pengurusan Akademik, Jabatan Pendidikan Pulau Pinang

Jawatankuasa Seminar Pendidikan Guru-guru Tingkatan 6 Jabatan Pendidikan Pulau Pinang 2016, Urus Setia Sektor Pengurusan Sekolah dan Sektor Pengurusan Akademik, Jabatan Pendidikan Pulau Pinang

Seminar Pendidikan Guru-guru Tingkatan Enam Jabatan Pendidikan Pulau Pinang, Anjuran Ber-sama Sektor Pengurusan Sekolah Sektor Pengurusan Akademik, Institut Pendidikan Guru Kampus Tuanku Bainun Pulau Pinang

Pemeriksaan Peperiksaan Sijil Pelajaran Malaysia (SPM) Tahun 2016

Year 2015

PhD Thesis & Masters Dissertation Bootcamp, Institute of Graduate Studies, University of Malaya, Certificate of Participation

Malaysian Science and Technology Congress 2015 (MSTC 2015), Faculty of Agriculture, Universiti Putra Malaysia (UPM), "Harnessing Science and Technology Resources for National Advancement"

7th International Symposium on Advanced Plasma Science and its Applications for Nitrates and Nanomaterials/ 8th International Conference on Plasma-Nano Technology&Science, Nagoya University, Nagoya, Japan, ISPlasma 2015/ IC-Plants 2015, Sessions: C1 Nanostructured and Nonocomposite Materials, Type of Presentation: Oral, Abstract title: Synthesis of Silver nanoparticles using plasma-liquid interactions, Japanese Journal of Applied Physics (JJAP) Special Issue "Advanced Plasma Science and its Applications for Nitrides and nanomaterials"

Workshop on "Understanding the Field Emission Scanning Electron Microscope, STEM & EDS", -Understanding the FESEM & STEM Analysis: Knowing the Energy Dispersive X-ray Spectrometer, Standard Demonstrations, Practical Analysis on Selective Individual Samples, Practical Analysis on selective individual sample, "What is UHR FESEM & its theory? How does STEM works and its uses? Principle and interpretations in EDS measurements?"

Year 2014

Pelantikan Petaksir PEKA Sains SMK Haji Zainul Abidin, Pentaksir Peka Sains PBSMR dan PEKA Fizik SPM SMK Haji Zainul Abidin, Peringkat Sekolah

Pelaksanaan Program Intervensi TIMSS dan PISA

Pertandingan F1 in School Technology Challenge Peringkat Negeri, Peringkat Negeri

Malaysia Toray Science Foundation Science Education Award, MTSF

How to Publish in an SSCI(ISI) Journal in 10 months??! Workshop, Postgraduate Academic Support Service (PASS), Institute of Postgraduate Studies, USM

Managing Your Research Materials, IPS Workshop, USM

Literature Review workshop, Postgraduate Academic Support Service (PASS), Institute of Postgraduate Studies, USM

Thesis Writing for Beginners: Common Weakness in Writing Styles (Part 1), Postgraduate Academic Support Service (PASS), Institute of Postgraduate Studies, USM

Starting Your Thesis/ Project/ Dissertation workshop, Postgraduate Academic Support Service (PASS), Institute of Postgraduate Studies, USM

Basic Introduction to Eppendorf PhysioCare Concept, Eppendorf awareness section, PhysioCare Concept, Universiti Malaya, Kuala Lumpur, Malaysia Eppendorf South & Southeast Asia, Certificate of Attendance

Authorship Agreement SAP Publications (M) Sdn. Bhd, Ensiklopedia Mathematics (Author)

Hadiah Pingat Emas, Pelajar yang terbaik bagi ijazah Sarjana Sains (Matematik Pengajaran), 50th USM Convocation, Sidang Akademik 2013/ 2014, Universiti Sains Malaysia

Paper Presenter - Simposium Kebangsaan Sains Matematik ke-22, Anjuran Institut Sains Matematik, Universiti Malaya dan Persatuan Sains Matematik Malaysia

24th Malaysia Science and Technology Congress 2015, Effect of Sucrose on the Synthesis of Silver Nanoparticles Using Microplasma Jet, Oral Presentation

Year 2013

2nd MASMO Science Contest (Iken Scientific) 2012/13: Math Olympiads for Elementary and Middle School MASMO Science Contest (IKEN SCIENTIFICA) Malaysia-Asean Science & Math Olympiads 2013-Invigilator

2nd MASMO Science Contest (IKen Scientifica) 2012/13 Open For Registration: Contest Category: 3 Levels (Category 1: Year 4/5, Category 2: Year 6/7, Category 3: Year 8/9)

2nd MASMO Science Contest (Iken Scientific) 2012/13: Math Olympiads for Elementary and Middle School, MASMO Science Contest (IKEN SCIENTIFICA) Malaysia-Asean Science & Math Olympiads 2013 Year 9

2013 Penang International Science Fair (PISF), Straits Quay Convention Centre, Tanjung Tokong, by Penang Science Cluster Berhad

Taklimat Perkongsian dan Penggalakkan Inovasi dalam Pendidikan Untuk Guru-guru Fizik Negeri Pulau Pinang Bahagian Teknologi Pendidikan Negeri Pulau Pinang, Pokok Sena, 13220 Kepala Batas

Majlis Taklimat Tajaan dan Penyerahan Surat Tawaran Program Hadiah Latihan Persekutuan (HLP) dan Cuti Belajar Bergaji Penuh Tanpa Biasiswa (CBBP TB) Peringkat Kedoktoran dan Sarjana Tahun 2014

Kursus Persediaan Penerima Biasiswa Hadiah Latihan Persekutuan (HLP) dan Cuti Belajar Bergaji Penuh Tanpa Biasiswa (CBBTP TB) Peringkat Sarjana Tahun 2014

Literature Review workshop, Postgraduate Academic Support Service (PASS), Institute of Postgraduate Studies, USM

Managing your Graduate Study workshop, Postgraduate Academic Support Service (PASS), Institute of Postgraduate Studies, USM

Building Self Confidence workshop, Postgraduate Academic Support Service (PASS), Institute of Postgraduate Studies, USM

Managing Your Research Materials, Postgraduate Academic Support Service (PASS), Institute of Postgraduate Studies, USM

Strategies for Success in PhD, Postgraduate Academic Support Service (PASS), Institute of Post-graduate Studies, USM

Year 2012

Taklimat Penggunaan Produk Pen-A Dalam Pendidikan Sains/ Fizik: Kaedah Pen-A Dalam Fizik Kelektromagnetan

Pertandingan Robotik Peringkat Kebangsaan 2012: Kategori Robot Soccer Gen2

Jemputan ke Program Intel Get SETT (Scientists, Engineers and Technologists of Tomorrow): Intel Get SETT

Latihan Pertandingan Robotik Oleh Pelatih Di bawah Penang Science Council, Program Latihan Pertandingan Science Council 2012

Latihan Pertandingan National Robotic Competition Zon B 2012): National Robotic Competition pada 12 hingga 14 Jun 2012

Regular Category: National Robotic Competition 2012, Open Category-Lower Secondary “Robots Connecting People”

Regular Category National Robotic Competition 2012: Open Category-Lower Secondary “Robots Connecting People” iVotronic: The Ballot Counter: ‘Your Vote is Your Choice’: 1st Runner U, Best Innovative Awards, Mentor

National Robotic Competition: Regular Category National Robotic Competition 2012: Upper Secondary “Robot Van Gogh” – Mentor

National Robotic Competition 2012: Regular Category: Upper Secondary “Robot Van Gogh”: Champion: Mentor

National Robotic Competition 2012: Regular Category, Upper Secondary “Robot Van Gogh”: 1st Runner Up, Mentor

Karnival Pendidikan Sains & Teknologi: (Peringkat Negeri Pulau Pinang): Pertandingan Solar Car: Sijil Penghargaan – Sumbangan dan Khidmat Bakti Pertandingan Solar Car

Karnival Pendidikan Sains & Teknologi: (Peringkat Negeri Pulau Pinang): Pertandingan Solar Car: Sijil Penghargaan - Sijil Pencapaian Cemerlang – Tempat ketiga

Karnival Pendidikan Sains & Teknologi (Peringkat Negeri Pulau Pinang): Pertandingan Solar Boat: Sijil Penghargaan – Guru Pembimbing Pertandingan Solar Boat

Karnival Pendidikan Sains & Teknologi (Peringkat Negeri Pulau Pinang) - Pertandingan Solar Boat: Sijil Pencapaian-Naib Johan

Karnival Pendidikan Sains & Teknologi (Peringkat Negeri Pulau Pinang): Pertandingan Efficiency Energy Cooking: Sijil Penghargaan – Guru Pembimbing Pertandingan Energy Cooking

Bengkel Soap Bubble (Soap Bubble workshop): Karnival Pendidikan Sains & Teknologi (Peringkat Negeri Pulau Pinang): Silil Penyertaan

Latihan Pusat Pertandingan Peringkat Kebangsaan 2012: Pertandingan Robotik Kebangsaan: Robot Van Gogh: 2 pasukan, Gen 2 Robot Soccer: 1 team

National Robotic Competition: Regular Category-Upper Secondary “Robot Van Gogh” National Robotic Competition (National Level) - coach

National Robotic Competition: Regular Category-Upper Secondary “Robot Van Gogh” National Robotic Competition (National Level) – Excellent Awards

National Robotic Competition: Robot Soccer (GEN II Foot-ball)-National Robot-ic Competition (National Level): Coach

National Robotic Competition: Robot Soccer (GEN II Foot-ball)-National Robot-ic Competition (National Level): Sijil Kecemerlangan Robotik-4th Place

Tawaran Kemasukan Untuk Mengikuti Pengajian Siswazah di Universiti Sains Malaysia: Sarjana Sains (Matematik Pengajaran): Pusat Pengajian Sains Matematik

Year 2011

Google Science Fair

Pelancaran “First Lego League Robotics-Your Robot”, Chung Ling High School Penang Invention and Robotic Club, invited by The Penang Science Council Secretariat

First Lego League Malaysia Open championship 2011, First Lego League – Body Forward Challenge, by Sasbadi Sdn. Bhd.

2011 FLL Malaysia Open Championship, First Lego League (450 participants, 80 coaches, 90 volunteers, 37 judges)– Body Forward Challenge “Engineering Meets Medicine”, Participation Certificate – Coach

2011 FLL Malaysia Open Championship, Award Certificate-Best Innovation Solution Award- Team Phantom

2011 FLL Malaysia Open Championship, Award Certificate-Best Robot Design Award -Eleventh Hour

Let’s Rock It: The Inti Robotic Challenge’11: 2011 Inti Robotic Competition: Champion. Prize giving ceremony by CEO of Inti International College

2011 Majlis Penyampaian Hadiah, Kegiatan Ko-kurikulum, Excellent Club: Invention and Robotic, IR Club International Safety and Health Conference

National Science and Technology Carnival 2011, Solar Boat Competition, 1st Runner Up

Training with-in service for school management handling: 7 habits

2011 National Robotics Competition, Dewan SMK Mengkuang, Seberang Perai Tengah, Coach: Thong Ying Li: 12 teams (36 students), Achievement: 3 Golds, 3 Silvers, 1 Bronze, 2 Best Team Spirit, 1 Best Innovative Awards

2011 National Robotics Competition: Open Category-Upper Secondary “Robots for Life Improvement”: Champion, Best Team Spirit

2011 National Robotics Competition: Open Category-Lower Secondary “Robots for Life Improvement”: 1st Runner Up, Best Innovative Award

2011 National Robotics Competition: Open Category-Lower Secondary “Robots for Life Improvement”: 2nd Runner Up

2011 National Robotics Competition: Regular Category-Upper Secondary “Robot Recycler”: Champion

2011 National Robotics Competition: Regular Category-Upper Secondary “Robot Recycler”: 1st Runner Up

2011 National Robotics Competition: Regular Category-Upper Secondary “Robot Recycler”: 2nd Runner Up

2011 National Robotics Competition: Regular Category-Upper Secondary “Robot Recycler”: Excellent Awards

2011 National Robotics Competition: Regular Category-Upper Secondary “Robot Recycler”: Excellent Awards

2011 National Robotics Competition: Regular Category-Lower Secondary “Stair Climber”: Excellent Awards: Champion

2011 National Robotics Competition: Regular Category-Lower Secondary “Stair Climber”: Excellent Awards: 1st Runner Up

2011 National Robotics Competition: Regular Category-Lower Secondary “Stair Climber”: Excellent Awards: 2nd Runner Up

2011 National Robotics Competition: Regular Category-Lower Secondary “Stair Climber”: Excellent Awards: Excellent Awards

2011 National Robotics Competition: Regular Category-Lower Secondary “Stair Climber”: Excellent Awards: Excellent Awards

Latihan Pusat Pertandingan Dalam Pendidikan Sains dan Teknologi Kebangsaan dan National Robotic Competition 2011 di Pusat Kecemerlangan sukan westland, Jalan Padang Victoria, Pulau Pinang

Kursus Peningkatan Profesionalisme Guru-guru Tingkatan 6 Tahun 2011, Anjuran Bersa-ma Chung Ling, Lelaki Method-ist, St. George dan St. Xavier

Pertandingan Dalam Pendidikan Sains dan Teknologi Kebangsaan, Karnival Pendidikan Sains dan Teknologi 2011 peringkat kebangsaan

2011 National Robotics Competition, Dewan SMK Mengkuang, Seberang Perai Tengah, Coach: Thong Ying Li: 5 teams (15 students), Achievement: 1st Runner Up, 2nd Runner Up

National Robotic Competition-National level: Open category – upper secondary “Robots for life improvement” 2nd Runner Up

Jemputan ke World Robot Olympiad 2011 di Abu Dhabi pada 17-21 November 2011, Penghantaran pasukan negara ke World Robot Olympiad 2011, Abu Dhabi, UAE

Latihan dalam Perkhidmatan Kendalian Sekolah 2011: Penggunaan Movie Maker dalam P&P

Kem Persediaan Pasukan World Robot Olympiad 2011 Siri 1: Penghantaran pasukan negara ke World Robot Olympiad 2011 yang berlangsung di Abu Dhabi, UAE pada 17 hingga November 2011

Jemputan Pemenang Anugerah Kecemerlangan Kokurikulum Peringkat Kebangsaan Tahun 2011: Anugerah Khas KPM (Gold Medal World Robotic Competition): Dewan Undangan Negeri (Lama)

Kem Persediaan Pasukan World Robot Olympiad 2011 Siri 2 by Kementerian Pelajaran Malaysia (KPM) Sasbadi Sdn. Bhd

Penyampaian Bendera Malaysia kepada wakil Malaysia: contingent Malaysia ke Abu Dhabi, Emiriyah Arab Bersatu, Jalur Gemilang, at Parliament, by Vice Minister of Education, Datuk IR. Dr. Wee Ka Siong

Participation certificate: Malaysia Contingent to World Robot Olympiad 2011, Abu Dhabi, Emiriyah Arab Bersatu, given by Vice Minister of Education, Datuk IR. Dr. Wee Ka Siong

8th World Robot Olympiad Abu Dhabi, United Arab Emirates, Abu Dhabi Education Council, 2 teams

8th World Robot Olympiad, Abu Dhabi, United Arab Emirates, Abu Dhabi Education Council, Ecomechs – Malaysia (Open Category-High School) Certificate of Appreciation of assistance and efforts

8th World Robot Olympiad, Abu Dhabi, United Arab Emirates, Abu Dhabi Education Council, Ecomechs – Malaysia (Open Category-High School): Certificate of Achievement – 2nd place

8th World Robot Olympiad, Abu Dhabi, United Arab Emirates: Certificate of Achievement- 2nd place: Ecomechs-Malaysia Open Category – High School

8th World Robot Olympiad, Abu Dhabi, United Arab Emirates: Certificate of Achievement-Excellent Award: Phantom-Malaysia, Regular Category – High School

8th World Robot Olympiad, Abu Dhabi, United Arab Emirates: Certificate of Appreciation- Appreciation of Assistance and Efforts – Coach: Ecomechs-Malaysia: Open Category – High School

Kem Robotik: Peringkat Negeri Pulau Pinang 2011: Sijil Penghargaan- Sumbangan dan Khidmat bakti

Anugerah Kecemerlangan Kokurikulum 2011 by JPN Penang, National 1st LEGO League Robotic: Best Innovation Solution Award (National Level)

Anugerah Kecemerlangan Kokurikulum 2011: Best Overall Robot Design Award, Best Overall Robot Design (National Level)

Anugerah Khas KPM (Gold Medal World Robotic Competition): Pencapaian Cemerlang dalam Anugerah Kecemerlangan Peringkat Kebangsaan pada Tahun 2011: Anugerah Kecemerlangan Kokurikulum 2011: Sijil Kecemerlangan (Anugerah Kecemerlangan Kokurikulum 2011) – Thong Ying Li

Anugerah Kecemerlangan Kokurikulum 2011: Rekacipta/ Robotik SMJK Chung Ling Pulau Pinang, Pencapaian cemerlang dalam Kelab dan Persatuan Cemerlang Sekolah Menengah, Calon Negeri Anugerah Kecemerlangan Peringkat Kebangsaan pada tahun 2011 “Transformasi Kokurikulum Melestari Kecemerlangan Insan”

Anugerah Kecemerlangan Kokurikulum 2011: Anugerah Khas KPM (Gold Medal World Robotic Competition): Sijil Kecemerlangan: Anugerah Kecemerlangan Kokurikulum 2011

Anugerah Kecemerlangan Kokurikulum 2011: National 1st Lego League Robotic: Best Overall Design Award Peringkat Kebangsaan pada Tahun 2011

Anugerah Kecemerlangan Kokurikulum 2011: National 1st Lego League Robotic: Best Innovation Solution Award Peringkat Kebangsaan pada Tahun 2011

Anugerah Kecemerlangan Kokurikulum 2011: Anugerah Khas KPM (Gold Medal World Robotic Competition): Anugerah Kecemerlangan Peringkat Kebangsaan pada Tahun 2011 Sijil Kecemerlangan: Anugerah Kecemerlangan Kokurikulum 2011

Anugerah Perkhidmatan Cemerlang: Kementerian Pelajaran Malaysia: Sijil Perkhidmatan Cemerlang pada tahun 2011

Summer Camp: Lego Robotics workshop for primary children: Robotic Training camp: Learning Garden

Penang Mini Green Expo 2011: “Conserving for Tomorrow-Solar Chapter”: Cleaner, Greener Penang - Certificate of Appreciation

Year 2010

Mini Exhibition - Invention and Robotic Club (Robotic Exhibition) Chung Ling High School Penang

Young Inventors 2020 by Malaysian Invention Design Society (MINDS) - 21st International Invention Innovation and technology Exhibition (ITEX'10)

Malaysian Youth Invention Competition (MYIC)

Inti Robotic Challenge - 2010 Inti Robotic Competition (Robocon) 1st Runner Up

2010 FLL Malaysia Open Championship - First Lego® League - Smart Move Challenge - Tomorrow's Leaders are today's FIST® - Coach - Best Research Quality Award

2010 KDU Holiday Robotic Competition – Champion

Teacher Advisor - Rancangan Latihan Mengajar dan Praktikum – USM training teacher

International Student Camp 2010 – Exhibition - Teacher Advisor

National Science and Technology Carnival 2010 - Solar Boat Competition (Science & Technology Education Carnival) (Champion)

National Science and Technology Carnival 2010 - Solar Car Competition (Science & Technology Education Carnival)

2010 National Robotic Competition “Dynamic Robots promote a National or Cultural Heritage of Malaysia” – Open Category – Upper Secondary “Robots Promote Tourism” – Best Mentor

2010 National Robotic Competition “Dynamic Robots promote a National or Cultural Heritage of Malaysia” – Open Category – Upper Secondary “Robots Promote Tourism” – Champion, Best Presentation Award

2010 National Robotic Competition “Dynamic Robots promote a National or Cultural Heritage of Malaysia” – Open Category – Upper Secondary “Robots Promote Tourism” – 5th Prize

2010 National Robotic Competition “Dynamic Robots promote a National or Cultural Heritage of Malaysia” – Open Category – Lower Secondary “Robots Promote Tourism” – 1st Runner Up

2010 National Robotic Competition – Mentor - Regular Category – Upper Secondary ‘Palo Sebo’ National Robotic Competition – State level 2010 – 1st Runner Up

2010 National Robotic Competition Regular Category – Lower Secondary “Treasure Hunt” Tumbang Preso – 5th Prize, Excellent Awards

2010 National Robotic Competition Regular Category – Lower Secondary “Treasure Hunt” Tumbang Preso – 7th Prize, Excellent Awards

2010 National Robotic Competition “Dynamic Robots promote a National or Cultural Heritage of Malaysia” – National Level, Mentor – Best Mentor

2010 National Robotic Competition “Dynamic Robots promote a National or Cultural Heritage of Malaysia” – Open Category – Upper Secondary “Robots Promote Tourism” National level – Champion, Best Presentation Award

2010 National Robotic Competition – Mentor - Regular Category – Upper Secondary ‘Palo Sebo’ National Robotic Competition – National level 2010 – 1st Runner Up

Kolokium Inovasi Pengurusan Tingkatan Enam Sekolah Menengah Daerah Timur Laut Tahun 2010, Anjuran Pe-jabat Daerah Timur Laut dan Majlis Pengetua Sekolah Tingkatan Enam Pulau Pinang

Outstanding Service and Performance Certificate of Appreciation - The Excellent Club - Teacher Advisor

First Centralized Robotic Training Camp by Sasbadi Sdn. Bhd. - Jemputan Latihan Pusat untuk Kontigen Malaysia Bagi Persediaan ke World Robot Olympiad (WRO) 2010 di Manila, Filipina

Second Centralized Robotic Training Camp by Sasbadi Sdn. Bhd. - Jemputan Latihan Pusat untuk Kontigen Malaysia Bagi Persediaan ke World Robot Olympiad (WRO) 2010 di Manila, Filipina

Jalur Gemilang - Penyampaian Bendera Malaysia kepada Kontigen Malaysia ke WRO 2010

World Robot Olympiad 2010, Philippines, 35 countries, 13000 teams, 5-7 November 2010 - Malaysia Teams to World Robot Olympiad (WRO) 2010 (Upper Secondary School-Open Category) (2010 NRC-Champion)

World Robot Olympiad 2010, Philippines, 5-7 November 2010 - Malaysia Teams to World Robot Olympiad (WRO) 2010 (Upper Secondary School-Regular Category) (2010 NRC-Silver Winner)

World Robot Olympiad 2010, Manila, Philippines, Open Category-High School Gamer Tech-Malaysia: Certificate of Excellence – Coach

World Robot Olympiad 2010, Manila, Philippines, Open Category-High School Gamer Tech-Malaysia: Certificate of Ranking – 1st Place

World Robot Olympiad 2010, Manila, Philippines, Regular Category-High School Gamer Tech-Malaysia:
Certificate of Ranking – Excellent

Pertandingan World Robot Olympiad (WRO) 2010 Sijil Penghargaan-Sumbangan Bakti kepada Negara Dalam Pertandingan World Robot Olympiad (WRO) 2010 by Y.A.B Tan Sri Muhyiddin bin Mohd Yassin (Menteri Pelajaran Malay-sia, Kementerian Pelajaran Malaysia)

Pertandingan World Robot Olympiad (WRO) 2010 Prestasi Cemerlang dan Berjasa kepada Negara dalam Pertandingan World Robot Olympiad (WRO) 2010 dan berjaya mencapai Pingat Emas by Y.A.B Tan Sri Muhyiddin bin Mohd Yassin (Menteri Pelajaran Malay-sia, Kementerian Pelajaran Malaysia)

Anugerah Kecemerlangan Kokurikulum 2010: National Robotic Competition Open Category Upper Secondary: Pingat Emas Peringkat Kebangsaan pada Tahun 2010

Anugerah Kecemerlangan Kokurikulum 2010: World Robotic Competition Open Category Upper Secondary Gold Medal Award-International level-World Champion) by Haji Ibrahim Bin Mohamad (Pegawai Pelajaran Negeri Pulau Pinang)

Prize Giving Ceremony by Y.A.B Tuan Lim Guan Eng, Chief Minister of Penang at Penang Development Centre-PSDC Penang (Menjuarai World Robot Olympiad)

Robot Exhibition and Opening ceremony of National Instrument Sdn. Bhd. Opening Ceremony of National Instrument, Interviewed by Star Newspapers

Learning Garden Summer Camp, Robotic Training

Year 2009

Robotic Program for Pintar School – Robotic Teacher for Ministry of Education Sponsor School

Teacher advisor of Invention & Innovation (Robotic) Club – Chung Ling High School

F1 in School Technology Challenge (Business Plan, Design, Analyze, Manufacture, Test and race)

Robotic camp - State Level Program Robotik Kelompok Sekolah Pintar , Pendang Lake Resort, Kedah

Coach - 2009 National Robotics Competition Regular Category – Lower Secondary (4th prize- Excellent Award)

Coach - 2009 National Robotics Competition Regular Category – Lower Secondary (5th prize- Excellent Award)

Coach - 2009 National Robotics Competition Regular Category – Lower Secondary (7th prize- Excellent Award)

Coach - 2009 National Robotics Competition Regular Category – Upper Secondary (6th prize- Excellent Award)

Coach - 2009 National Robotics Competition Regular Category – Upper Secondary (8th prize- Excellent Award)

Coach - 2009 National Robotics Competition Regular Category – Upper Secondary (9th prize- Excellent Award)

Coach - Solar Car Competition (Science & Technology Education Carnival) (1st Runner Up)

Coach - Solar Boat Competition (Science & Technology Education Carnival) Solar Boat Race (Champion)

Centralized Training for Science & Technology Education Carnival National Level

Coach - Solar Boat Competition (Science & Technology Education Carnival) Solar Boat Race (2nd Runner Up) at Teachers' Training College, Perlis campus, IPG Perlis, Kangar