

FY2025: International Proceedings

1	Ali, N. I. M., Nadzri, N. I. M., Salleh, A. A. M., Uda, M. N. A. and Joseph, S.	Effect of Silicon and Mechanical Alloying on Microstructure and Grain Evolution in CuAl and CuAlSi Alloys	The 4th South East Asia-Japan Conference on Composite Materials 2024 (SEAJCCM 2024) , 13 - 15 August 2024, Kuala Lumpur, Malaysia/ Materials Research Proceedings 56 (2025): 117-123
2	Boonpornprasert, P., Chunjarean, S., Khampiranon, D., Nadeedanklang, J., Manasatitpong, K., Yachum, N., Kokkrathoke, S. and Chanwattana, T.	Electron Beam Energy Measurement in the SLRI 6 MeV Linac using X-ray Scintillator Imaging	14th International Beam Instrumentation Conference (IBIC2025), 7-11 September 2025, Liverpool, UK.
3	Boonpornprasert, P., Chanwattana, T., Bootiew, S., Chunjarean, S., Dhammatong, C., Juntong, N., Pulampong, T. and Klinkhieo, S.	Overview and Status of Beam Diagnostics for the Injector Linac of the Siam Photon Source	14th International Beam Instrumentation Conference (IBIC2025), 7-11 September 2025, Liverpool, UK.
4	Chanwattana, T., Boonpornprasert, P., Chunjarean, S., Juntong, N., Bootiew, S., Dhammatong, C., Pulampong, T., Promdee, W. and Klinkhieo, S.	Design of an Upgraded Screen Monitor System for the Siam Photon Source Injector Linac	14th International Beam Instrumentation Conference (IBIC2025), 7-11 September 2025, Liverpool, UK.
5	Hariyanto, B., Saiyasombat, C., Asih, R. and Pratapa, S.	Structural Characterization of Tetragonal ZrO ₂ Derived from Zircon Sand: Crystal and Local Atomic Insights	14th International Physics Seminar 2025 (IPS 2025). 21 Jun, 2025. Jakarta, Indonesia/ Journal of Physics: Conference Series 3139 (2025): 012012
6	Jummunt, S., Sudmuang, P., Phimsen, T., Naeosuphap, S., Sittisard, K., Phanak, M. and Chaichuay, S.	Design and Development of a Beam Scraper System for Siam Photon Source II	The 16th International Particle Accelerator Conference (IPAC2025). 1 - 6 Jun, 2025, Taipei, Taiwan
7	Jummunt, S., Aim-O, A., Promdee, W., Pulumpong, T., Suradet, N. and Sudmuang, P.	Study and Development of Beam Loss Monitor for the SPS Storage Ring	The 19th Siam Physics Congress 2024 (SPC 2024). 5-7 June 2024, Krungsri River Hotel, Ayuttaya, Thailand/ Journal of Physics: Conference Series 2934 (2024): 012014
8	Juntong, N., Bootiew, S., Chanwattana, T., Chunjarean, S., Dhammatong, C., Kittimanapun, K. and Manasatitpong, K.	Higher order modes characteristic of the capacitive type RF cavity at the Siam Photon Source	The 15th International Particle Accelerator Conference (IPAC2024). 19-24 May, 2024, Nashville, Tennessee, USA.
9	Kaewjai, J., Kittimanapun, K., Laojamnongwong, N., Poonsawat, W. and Kobdaj, C.	Study of the cluster size of a Monolithic Active Pixel Sensor using a Sr-90 source	The 19th Siam Physics Congress 2024 (SPC 2024). 5-7 June 2024, Krungsri River Hotel, Ayuttaya, Thailand/ Journal of Physics: Conference Series 2934 (2024): 012034
10	Kittimanapun, K., Kaewjai, J. and Laojamnongwong, N.	Energy selection of synchrotron booster for SLRI beam test facility	The 15th International Particle Accelerator Conference (IPAC2024). 19-24 May, 2024, Nashville, Tennessee, USA.

11	Kittimanapun, K., Ngamlamiad, A., Thongjerm, P., Wonglee, S., Pomroongruengchok, W. and Boontueng, P.	Design of Cyclotron-Based In-Vacuum Materials Irradiation Beamline at TINT	The 15th International Particle Accelerator Conference (IPAC2024). 19-24 May, 2024, Nashville, Tennessee, USA.
12	Klinkhieo, S., Suradet, N., Pulampong, T., Chunjarean, S. and Chanwattana, T.	The Observer-Based Estimation of Photon Beam Position for Improved Beamline Stability at SPS	The 16th International Particle Accelerator Conference (IPAC2025). 1 - 6 June, 2025, Taipei, Taiwan
13	Klinkhieo, S., Yachum, N., Suradet, N., Chunjarean, S., Kokkrathoke, S., Chanwattana, T. and Pulampong, T.	Model-Based Optimal Control Design for the Orbit Feedback System at the Siam Photon Source	14th International Beam Instrumentation Conference (IBIC2025), 7-11 September 2025, Liverpool, UK.
14	Nakajima, H., Chaichuay, S., Utke, O., Rattanasuporn, S., Jenpiyapong, W., Supruangnet, R., Pakawanit, P. and Morawe, C.	Development of Undulator Photon Beam Monitor at the Photoemission Beamline in the Siam Photon Laboratory	15th International Conference on Synchrotron Radiation Instrumentation (SRI 2024), 26 - 30 August 2024, Hamburg, Germany/ Journal of Physics: Conference Series 3010 (2025): 012066
15	Nakajima, H., Soontaranon, S., Wasanbongngem, N., Inchoo, A., Pasatcha, C., Tarawarakarn, P., Satasasawat, R., Promdee, W., Wongpinij, T., Jenpiyapong, W., Boonsuya, S. and Rugmai, S.	Magnetic Field Simulation of In-Vacuum Permanent Magnet Multipole Wiggler	15th International Conference on Synchrotron Radiation Instrumentation (SRI 2024), 26 - 30 August 2024, Hamburg, Germany/ Journal of Physics: Conference Series 3010 (2025): 012007
16	Phimsen, T., Sumklang, S., Seegauncha, O. and Sonsuphap, N.	Design and Structural Analysis of a Bending Chamber for EPU Applications in the SPS-II Storage Ring	The 16th International Particle Accelerator Conference (IPAC2025). 1 - 6 June, 2025, Taipei, Taiwan
17	Prawanta, S., Saetiaw, J., Rattanawichai, P., Rittaprom, K., Pruekthaisong, P., Aim-O, P. and Klysubun, P.	Utility Design of the 3 GeV Electron Storage Ring for Siam Photon Source II	The 16th International Particle Accelerator Conference (IPAC2025). 1 - 6 June, 2025, Taipei, Taiwan
18	Promdee, W., Suradet, N., Sudmuang, P., Jummunt, S., Suebka, S. and Pulampong, T.	Improvement of Transverse Beam Size Measurement Using Synchrotron Radiation at Siam Photon Source	The 16th International Particle Accelerator Conference (IPAC2025). 1 - 6 June, 2025, Taipei, Taiwan
19	Pulampong, T., Sudmuang, P. and Sunwong, P.	SPS-II Machine Imperfections and Optimization	The 16th International Particle Accelerator Conference (IPAC2025). 1 - 6 June, 2025, Taipei, Taiwan
20	Sudmuang, P., Pulampong, T., Chanwattana, T., Jummunt, S., Sunwong, P., Prawanta, S., Juntong, N., Phimsen, T., Boonsuya, S., Sophon, M., Utke, O., Euaruksakul, C. and Klysubun, P.	SPS-II Project: Status Update	The 16th International Particle Accelerator Conference (IPAC2025). 1 - 6 June, 2025, Taipei, Taiwan

21	Sudmuang, P., Naeosuphap, S., Pulampong, T., Jummunt, S., Promdee, W., Chanwattana, T., Phimsen, T., Klysubun, P. and Kongtawong, S.	Overview of Diagnostic and Instrumentation for Siam Photon Source-II	14th International Beam Instrumentation Conference (IBIC2025), 7-11 September 2025, Liverpool, UK.
22	Suebka, S., Suradet, N., Pulampong, T. and Promdee, W.	Optimization of Siam Photon Source Storage Ring using Badger	The 16th International Particle Accelerator Conference (IPAC2025). 1 - 6 June, 2025, Taipei, Taiwan
23	Sunwong, P., Yan, T., Prawanta, S., Leetha, T., Phimsen, T., Pruekthaisong, P., Jummunt, S., Pulampong, T. and Sudmuang, P.	Design of Non-Linear Kicker for Siam Photon Source II	The 16th International Particle Accelerator Conference (IPAC2025). 1 - 6 June, 2025, Taipei, Taiwan
24	Sunwong, P., Chaithawee, P., Kaenda, S., Kwankasem, A., Leetha, T., Numanoy, P., Prawanta, S., Pruekthaisong, P., Srichan, S., Sroison, M., Tangyotkhajorn, N. and Thiabsi, N.	Development of Stretched Wire System for Magnetic Field Measurement of Magnets for Siam Photon Source II	The 16th International Particle Accelerator Conference (IPAC2025). 1 - 6 June, 2025, Taipei, Taiwan
25	Sunwong, P. and Tangyotkhajorn, W.	Report on Opera-3D Hands-on Session in the 7th International School on Beam Dynamics and Accelerator Technology (ISBA24)	The 16th International Particle Accelerator Conference (IPAC2025). 1 - 6 June, 2025, Taipei, Taiwan
26	Sunwong, P., Prawanta, S., Jummunt, S., Numanoy, P., Leetha, T., Phimsen, T. and Pruekthaisong, P.	Effects of Eddy Current and Permeability of Vacuum Chamber on Magnetic Field in Booster Synchrotron of Siam Photon Source II	The 19th Siam Physics Congress 2024 (SPC 2024). 5-7 June 2024, Krungsri River Hotel, Ayuttaya, Thailand/ Journal of Physics: Conference Series 2934 (2024): 012013
27	Tangpong, K., Wonglee, S., Pornroongruengchok, W., Thongjerm, P., Kongmon, E., Kittimanapun, K., Sanghangthum, T. and Ruangchan, S.	Characterizing Proton Beam Properties for Cell Irradiation Study Using GEANT4 Simulation	The 16th International Particle Accelerator Conference (IPAC2025). 1 - 6 June, 2025, Taipei, Taiwan
28	Tangyotkhajorn, W., Sunwong, P., Prawanta, S., Sudmuang, P., Phacheerak, W., Leetha, T., Naeosuphap, S.	Bandwidth Analysis for a Combined Horizontal and Vertical Correcting Magnet for Siam Photon Source II	The 19th Siam Physics Congress 2024 (SPC 2024). 5-7 June 2024, Krungsri River Hotel, Ayuttaya, Thailand/ Journal of Physics: Conference Series 2934 (2024): 012015
29	Taufik, Manasatitpong, K., Nuraini, E. and Darsono	Design of 3 MeV Electron Linac Prototype for Irradiation Research Facility	12th International Conference on Physics and Its Applications (ICOPIA 2024). 21 August 2024, Universitas Sebelas Maret Surakarta, Indonesia/ Journal of Physics: Conference Series 2945 (2025): 012015

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1	Audora, A. D., Kamonsuangkasem, K. Ahmadi, H., Rachmanita, R. E., Aimkogsung, N., Borikul, N. and Wongyao, N.	The Effects of Concentration of Sodium Chloride Solution on Microstructure and Corrosion Resistance of AISI-304 Austenitic Stainless Steel	The 3rd Engineering Physics International Conference (EPIC2021), 24-25 August, 2021, Yogyakarta, Indonesia./ AIP Conference Proceeding 2580 (2023): 050036
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2	Aim-O, P., Manasatitpong, K. and n Jummunt, S.	Radiation Shielding and CuCr1Zr/Pb/PE and Fe/Pb/PE Beam Dump Design for 220-MeV Electron Linear Accelerator	The 18th Siam Physics Congress 2023 (SPC 2023). 14 -16 June 2023, Empress Convention Centre, Chiang Mai, Thailand/Journal of Physics: Conference Series 2653 (2023): 012042
3	Aim-O, P., Manasatitpong, K. Sumano, N., Ruengpoonwittaya, S., Suradet, N., Kampitak, W., Thongwat, A., Pamungkas, N. S. and Wangnok, K.	Real-Time Radiation Monitoring of High Energy 1.2-GeV Synchrotron Accelerator using Experimental Physics and Industrial Control System	The 18th Siam Physics Congress 2023 (SPC 2023). 14 -16 June 2023, Empress Convention Centre, Chiang Mai, Thailand/Journal of Physics: Conference Series 2653 (2023): 012066
4	Aketasaeng, A., Sangtawesin, S. and Kittiwatakul, S.	The Effect of Under and Over Develop Time in Josephson Junction Fabrication Process using Electron Beam Lithography	The 18th Siam Physics Congress 2023 (SPC 2023). 14 -16 June 2023, Empress Convention Centre, Chiang Mai, Thailand/Journal of Physics: Conference Series 2653 (2023): 012040
5	Artsang, P., Phonthongchanthuek, T., Chantharakhonm, C., Nawong, S., Uthaisar, C., Attarataya, J., Srichan, S., Tarawarakarn, P., Sittisart, K., Saiyasombat, C. and Songsiriritthigul, P.	Performance of BL4.1 infrared beamline at SLRI	The 18th Siam Physics Congress 2023 (SPC 2023). 14 -16 June 2023, Empress Convention Centre, Chiang Mai, Thailand/Journal of Physics: Conference Series 2653 (2023): 012078
6	Chanwattana, T., Boonsuya, S., Bootiew, S., Dhammatong, C., Jummunt, S., Klinkhieo, S., Kumdee, N., Naeosuphap, S., Phacheerak, W., Pulumpong, T., Sudmuang, P. and Suradet, N.	Upgrades of Beam Diagnostics for Linac of Siam Photon Source	The 14th International Particle Accelerator Conference (IPAC2023). 7 -12 May, 2023, Venice Italy
7	Hariyanto, B., Wahyuni, A. E., Ely, S., Wannapaiboon, S., Saiyasombat, C., Purwaningsih, S. Y. and Pratapa, S.	In-situ Synchrotron Radiation XRD Crystal Structure and Microstructure Analysis of CaO-ZrO2 Solid-Solution at 1100oC with Prolonged Heating	The 3rd International Symposium on Physics and Applications 2023 (ISPA 2023). 22-23 November 2023, Online Conference. / Journal of Physics: Conference Series 2780 (2024): 012015
8	Juntong, N., Kwankasem, A., Preecha, C., Dhammatong, C., Kittimanapun, K., Suradet, N., Sudmuang, P., Sunwong, P., Bootiew, S., Jummunt, S., Kongtawong, S., Prawanta, S., Boonsuya, S., Klinkhieo, S., Chanwattana, T., Phimsen, T.	Seven Years Statistical Analysis of the Siam Photon Source Opearation	The 14th International Particle Accelerator Conference (IPAC2023). 7 -12 May, 2023, Venice Italy
9	Jujam, N., Ayawanna, J., Kuimalee, S., Chanlek, N., Kidkhunthod, P. and Laorodphan, N.	Two-Step Melted Manganese Lithium Phosphate Glasses : Structural Investigation and Their Electrochemical Property	The 41st International Conference of the Microscopy Society of Thailand (MST41). 4-8 June 2024, Chiang Mai, Thailand
10	Jummunt, S., Sunwong, P., Prawanta, S., Kwankasem, A., Sooksrimuang, V., Promdee, W., Chaiyasit, K., Aim-O, P., Chunjarean, S. and Klinkhieo, S.	Development of a Solenoid Magnet for Emittance Compensation	The 18th Siam Physics Congress 2023 (SPC 2023). 14 -16 June 2023, Empress Convention Centre, Chiang Mai, Thailand/ Journal of Physics: Conference Series 2653 (2023): 012034
11	Kittimanapun, K., Laojamnongwong, N., Kaewjai, J., Kobdaj, C. and Poonsawat, W.	Commissioning of Pixel Sensor Telescope for Monolithic Active Pixel Sensor Characterization	The 18th Siam Physics Congress 2023 (SPC 2023). 14 -16 June 2023, Empress Convention Centre, Chiang Mai, Thailand/Journal of Physics: Conference Series 2653 (2023): 012029

12	Kokkrathoke, S., Yachum, N., Chunjarean, S. and Manasatitpong, K., Suradet, N. and Kwankasem, A.	Design of Synchronized Pulse Signals for Bump Magnet Power Supply with FPGA-Based System	The 8th International Conference on Robotics and Automation Sciences (ICRAS 2024). 21-23 June 2024, Tokyo, Japan
13	Kokkrathoke, S., Yachum, N., Chunjarean, S. and Manasatitpong, K.	Synchronisation of Linear Accelerator for Fruit Irradiation with FPGA-Based System	The 18th Siam Physics Congress 2023 (SPC 2023). 14 -16 June 2023, Empress Convention Centre, Chiang Mai, Thailand/Journal of Physics: Conference Series 2653 (2023): 012028
14	Misdayanti, Akifah, N., Hariyanto, B., Saiyasombat, C., Pratama, Y. D., Purwaningsih, S. Y. and Pratapa, S.	Activation Energy and Crystal Growth Coefficient Determination of t-ZrO ₂ using High-Temperature Synchrotron X-ray Diffraction	The 3rd International Symposium on Physics and Applications 2023 (ISPA 2023). 22-23 November 2023, Online Conference. / Journal of Physics: Conference Series 2780 (2024): 012017
15	Phimsen, T., Boonsuya, S., Chaichuay, S., Chitthaisong, S., Juntong, N., Klysubun, W., Prawanta, S., Pulampong, T., Sittisard, K., Srichan, S., Sudmuang, P. and Sunwong, P.	Vacuum System of SPS-II: Challenges of Conventional Technology in Thailand New Generation Synchrotron Light Source	The 12th International Conference on Mechanical Engineering Design of Synchrotron Radiation Equipment and Instrumentation (MEDSI2023). 6-10 November 2023, Beijing, China.
16	Yachum, N., Kokkrathoke, S., Chunjarean, S. and Manasatitpong, K. and Russamee, N.	Implementation of Water Cooling System Control of 6-MeV Linear Accelerator for Fruit Sterilization	The 8th International Conference on Robotics and Automation Sciences (ICRAS 2024). 21-23 June 2024, Tokyo, Japan

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1	Aim-O, P., Pamungkas, N. S., Nawong, S., Thamrongsiripak, N. and Thongphanit, S.	Synchrotron Radiation Fourier Transform Infrared (SR-FTIR) Spectroscopy in Exploring Crosslinked Chitosan-Rice Husk Bio-Composites by Gamma Irradiation	The 17th Siam Physics Congress 2022: Carbon Neutrality (SPC 2022). 22-24 June 2022, Nakhon Ratchasima, Thailand/Journal of Physics: Conference Series 2431 (2023): 012069
2	Astuti, F., Maghfirohtuzzoimah, V. L., Intifadhah, S. H., Az-Zahra, P. Sari, D. P., Watanabe, I., Zainuri, M. and Darminto	Investigation on Chemical and Physical Properties of Siliconsubstituted Lithium Iron Phosphate	The 11th International Conference on Theoretical and Applied Physics (ICTAP 2021). 27-28 October 2021, Surabaya, Indonesia. /AIP Conference Proceedings 2858 (Aug 2023): 060002
3	Boonruang, C., Won-in, K., Thumanu, K. and Dararutana, P.	Characterization of Commercial Cosmetic Talc Powder Products Marketed in Thailand	The 7th International Conference on Environment 2021 (ICENV2021). 6-7 October 2021, Penang, Malaysia/ ICENV2021/ AIP Conference Proceedings 2785 (2023): 050001
4	Boonruang, C., Won-in, K., Thumanu, K., Tippawan, U., Thongluaem, C. and Dararutana, P.	Synchrotron Radiation Study on Thai Reddish Glass	14th International Conference on Synchrotron Radiation Instrumentation (SRI 2021), 28 March - 1 April 2022, Hamburg, Germany/ Journal of Physics: Conference Series 2380 (2022): 012116
5	Chunjarean, S., Manasatitpong, K., Yachum, N., Phacheerak, W., Kokkrathoke, S., Pongampai, S., Kulthanasomboon, P., Jummunt, S. and Klinkhieo, S.	Development of a 6 MeV Electron Beam Energy Linac for Fruit Sterilization	The 17th Siam Physics Congress 2022: Carbon Neutrality (SPC 2022). 22-24 June 2022, Nakhon Ratchasima, Thailand/Journal of Physics: Conference Series 2431 (2023): 012071

6	Eknapakul, T., Ngamsomrit, S., Pinitsoontorn, S. and Songsiriritthigul, P.	Influence of Glycine Addition on Formation and Magnetic Properties of MnBi Prepared by Vacuum Sintering Technique	The 17th Siam Physics Congress 2022: Carbon Neutrality (SPC 2022). 22-24 June 2022, Nakhon Ratchasima, Thailand/Journal of Physics: Conference Series 2431 (2023): 012063
7	Jummunt, S., Chanwattana, T., Chunjarean, S., Junthong, N., Klinkhieo, S., Pulampong, T. and Sunwong, P.	Considered Design and Radiation Calculation for a Compact THz Coherent Radiation Source	The 17th Siam Physics Congress 2022: Carbon Neutrality (SPC 2022). 22-24 June 2022, Nakhon Ratchasima, Thailand/Journal of Physics: Conference Series 2431 (2023): 012075
8	Juntree, P., Eknapakul, T., Pinitsoontorn, S. and Songsiriritthigul, P.	Effects of Compression on Magnetic Properties of MnBi Prepared by Liquid-Phase Sintering	The 17th Siam Physics Congress 2022: Carbon Neutrality (SPC 2022). 22-24 June 2022, Nakhon Ratchasima, Thailand/Journal of Physics: Conference Series 2431 (2023): 012065
9	Kaewjai, J., Kobdaj, C., Kittimanapun, K., Laojamnongwong, N. and Poonsawat, W.	G4beamline Simulation for Rotating Telescope at SLRI BTF	The 17th Siam Physics Congress 2022: Carbon Neutrality (SPC 2022). 22-24 June 2022, Nakhon Ratchasima, Thailand/Journal of Physics: Conference Series 2431 (2023): 012078
10	Lomon, J., Padchasri, J., Siriroj, S., Montreeuppathum, A., Chanlek, N., Songsiriritthigul, P. and Kidkhunthod, P.	Effect of Ni-Co Transition Metal Ratios on Structure-Function of Lithium Aluminium Borate Glasses for Battery Electrode	The 17th Siam Physics Congress 2022: Carbon Neutrality (SPC 2022). 22-24 June 2022, Nakhon Ratchasima, Thailand/Journal of Physics: Conference Series 2431 (2023): 012066
11	Musyarofah, M., Damanik, E. F., Husain, H., Yudoyono3, G., Mohamed, Z., Poo-arporn, Y. and Prayitno, B.	Local Structure Studies of Magnesium Titanate Powders using Time-Resolved X-ray Absorption Spectroscopy (TRXAS) Measurements	The International Conference on Advanced Material and Technology (ICAMT) 2021, 14-16 December 2021, South Tangerang, Indonesia, online AIP Conference Proceedings 2708 (2022): 060001
12	Ngamsomrit, S., Eknapakul, T., Pinitsoontorn, S. and Songsiriritthigul, P.	Effect of Mn Grinding time on Structural, Chemical, and Magnetic properties of the Manganese Bismuth prepared by Sintering in Vacuum	14th International Conference on Synchrotron Radiation Instrumentation (SRI 2021), 28 March - 1 April 2022, Hamburg, Germany/ Journal of Physics: Conference Series 2380 (2022): 012060
13	Phiphattanaphiphop, C., Phatthahakun, R. and Leksakul, K.	A Microfluidic Sensor for Single Cell Detection and Counting Bull Sperms Cell	The 14th Biomedical Engineering International Conference (BMEICON2022), 10 - 13 November, Songkhla, Thailand
14	Poowancum, A., Rukkachat, K., Pakawanit, P., Ponchio, C., Khumkoa, S. and Chokkha, S.	Study on Consistency and Density of Titanium Dioxide and Tungsten Trioxide Coatings on Conductive Glass from Dipping Process Affecting Light Absorption and Transmission	The 11th International Conference on Materials Science and Technology (MSAT-11), 29 - 31 August 2022, Bangkok. Online
15	Rittihong, U., Tunmee, S., Supruangnet, R., Chingsungnoen, A., Poolcharuansin, P., Singhapetcharat, T., Kiattikomol, P., Eknapakul, T., Nakajima, H. and Songsiriritthigul, P.	Structural, Mechanical Properties and Corrosion Performance of Multilayer Ti Doped-DLC/Ti Films Deposited on Low-Carbon Steel	The 17th Siam Physics Congress 2022: Carbon Neutrality (SPC 2022). 22-24 June 2022, Nakhon Ratchasima, Thailand/Journal of Physics: Conference Series 2431 (2023): 012059

16	Sunwong, P., Klinkiew, S., Leetha, T., Prawanta, S., Singthong, P. and Songsiriritthigul, P.	Design of Dipole Magnets for Siam Photon Source II	The 17th Siam Physics Congress 2022: Carbon Neutrality (SPC 2022). 22-24 June 2022, Nakhon Ratchasima, Thailand/Journal of Physics: Conference Series 2431 (2023): 012072
17	Thajitr, W., Busayaporn, W. and Sukkabot, W.	Electronic and Magnetic Properties of MoTe ₂ Monolayer dDoped with Single and Double Transition Metals: Spin Density Functional Theory	The 17th Siam Physics Congress 2022: Carbon Neutrality (SPC 2022). 22-24 June 2022, Nakhon Ratchasima, Thailand/Journal of Physics: Conference Series 2431 (2023): 012048
18	Rattanasopa, P., Kidkhunthod, P. and Piyawit, W.	Identification of Martensitic Structures in Plastically Deformed 316L Stainless Steel by Atomic Force Microscopy and Magnetic Force Microscopy	The 11th International Conference on Materials Science and Technology (MSAT-11), 29 - 31 August 2022, Bangkok. Online

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1	Aim-O., P., Klinkhieo, S., Sophon, M., Sumano, N., Phacheerak, W., Phanak, M. and Ruangvittayanon, A.	Performance of CsI (TI) Photodiode with Optic Fiber Wire for Gamma-Rays and X-Rays Detection	21st International Union of Materials Research Societies International Conference in Asia (IUMRS-ICA 2020), 23-26 February 2021, Chiang Mai, Thailand/ Journal of Physics: Conference Series 2175 (2022): 012013
2	Aim-O, P., Pamungkas, N. S., Sophon, M., Sumano, N., Kulthanasomboon, P., Ruengpoonwittaya, S., Manasatitpong, K. and Thongwat, A.	Event Tree Model for Safety Reliability Analysis of High Energy Electron 1.2 GeV Radiation Monitoring System Design	The 13th International Particle Accelerator Conference (IPAC2022). 12 - 17 June, 2022, Bangkok, Thailand
3	Chanwattana, T., Chunjarean, S., Juntong, N., Klinkhieo, S., Sudmuang, P. and Manasatitpong, K.	Simulation and Optimization of SPS-II Linac	The 13th International Particle Accelerator Conference (IPAC2022). 12 - 17 June, 2022, Bangkok, Thailand
4	Juntong, N., Chanwattana, T., Jummunt, S., Kittimanapun, K., Pulampong, T., Phimsen, T. and Promdee, W.	Beam Coupling Impedance Study and Its Database of Siam Photon Source Storage Ring	The 13th International Particle Accelerator Conference (IPAC2022). 12 - 17 June, 2022, Bangkok, Thailand
5	Jummunt, S., Pulampong, T., Sudmuang, P., Klysubun, P. and Klinkhieo, S.	Energy Ramping Process for SPS-II Booster	The 13th International Particle Accelerator Conference (IPAC2022). 12 - 17 June, 2022, Bangkok, Thailand
6	Jummunt, S., Chunjarean, S., Juntong, N., Klinkhieo, S. and Manasatitpong, K.	Design Study of 30 MeV Linac for a Compact THz Radiation Source	The 13th International Particle Accelerator Conference (IPAC2022). 12 - 17 June, 2022, Bangkok, Thailand
7	Kokkrathoke, S. and Xu, X.	Controllability Study of Two-Wheel Robot for Nonlinear Optimal Control and Implementation	2021 IEEE 9th Conference on Systems, Process and Control (ICSPC 2021), 10-11 December 2021, Melaka, Malaysia

8	Manasatitpong, K., Bootiew, S., Chanwattana, T., Dhammatong, Ch., Jummunt, S., Juntong, N., Kittimanapun, K. and Phacheerak, W.	100 keV Electron Source Design for the New 3 GeV Synchrotron Facility in Thailand	The 13th International Particle Accelerator Conference (IPAC2022). 12 - 17 June, 2022, Bangkok, Thailand
9	Muzakir, M., Sreearunothai, P., Manyam, J., Hara, M. and Chanlek, N.	Supercapacitor Binder Based on Modified Hydroxypropyl Methylcellulose	Pure and Applied Chemistry International Conference 2022 (PACCON2022). 30 June - 1 July 2022, KMITL Convention Hall, King Mongkut's Institute of Technology Ladkrabang, Bangkok, Thailand
10	Naeosuphap, S. and Sudmuang, P.	Design and Optimisation of Button Beam Position Monitor for SPS-II Storage Ring	10th International Beam Instrumentation Conference (IBIC2021), 13-17 September 2021, Pohang, Korea, online
11	Nyiavuevang, B., Sodkampang, S., Dokmaikun, S., Thumanu, K., Boontawan, A. and Junpirom, S.	Effect of Temperature and Time for the Production of Polylactic Acid without Initiator Catalyst from Lactide Synthesized from ZnO Powder Catalyst	21st International Union of Materials Research Societies International Conference in Asia (IUMRS-ICA 2020), 23-26 February 2021, Chiang Mai, Thailand/ Journal of Physics: Conference Series 2175 (2022): 012042
12	Phacheerak, W., Bootiew, S., Chanwattana, T., Dhammatong, Ch., Juntong, N., Kittimanapun, K. and Manasatitpong, K.	Solid-State Pulsed Power Supply for a 100 keV Electron Source of the New Synchrotron Facility in Thailand	The 13th International Particle Accelerator Conference (IPAC2022). 12 - 17 June, 2022, Bangkok, Thailand
13	Klysubun, P., Boonsuya, S., Chanwattana, T., Jummunt, S., Juntong, N., Kwankasem, A., Phimsen, T., Photongkam, P., Prawanta, S., Pulampong, T., Sittisard, K., Srichan, S., Sudmuang, P., Sunwong, P. and Utke, O.	SPS-II: A 4th Generation Synchrotron Light Source in Southeast Asia	The 13th International Particle Accelerator Conference (IPAC2022). 12 - 17 June, 2022, Bangkok, Thailand
14	Pulampong, T. and Suradet, N.	A Flexible Online Optimizer for SPS	The 13th International Particle Accelerator Conference (IPAC2022). 12 - 17 June, 2022, Bangkok, Thailand
15	Pulampong, T., Phacheerak, W., Sudmuang, P. and Suradet, N.	Optical Fiber Based Beam Loss Monitor for SPS Machine	The 13th International Particle Accelerator Conference (IPAC2022). 12 - 17 June, 2022, Bangkok, Thailand
16	Suwannajak, C., Keyen, U., Leckngam, A., Tanakul, N., Jaikla, W., Pakluea, S., Wongkummoon, P., Jitvisate, M., Nimmanpipug, P., Rimjaem, S., Pakluea, S., Rimjaem, S., Wongkummoon, P. and Phimsen, T.	An Overview of the Applications of MIR and THz Spectroscopy in Astrochemistry Studies	The 13th International Particle Accelerator Conference (IPAC2022). 12 - 17 June, 2022, Bangkok, Thailand
17	Srichan, S., Utke, O., Sittisard, K., Phanak, M., Pruekthaisong, P., Prabngulueam, S. and Klinkhieo, S.	Construction and Manufacturing Process of Siam Photon Source II Storage Ring Girder Prototype	The 13th International Particle Accelerator Conference (IPAC2022). 12 - 17 June, 2022, Bangkok, Thailand

18	Teeta, S., Pilasombat, R. and Wongsaprom, K.	The Effect of Added Indium Nitrate and Nickel Nitrate on the Magnetic and Electrochemical Properties of Carbon Nanofibers	The Joint International Conference on Applied Physics and Materials Applications & Applied Magnetism and Ferroelectrics (ICAPMA-JMAG-2021), 1-4 December 2021, Pattaya, Thailand/ Materials Today: Proceedings
19	Zaimi, N. S. M., Ramli, M. I. I., Salleh, M. A. A. M., Abdullah, M. M. A. B., Chaiprapa, J. and Aziz, m. S. A.	Synthesis of Kaolin Geopolymer as Ceramic Reinforcement in Lead-Free Solder	International Conference on Electronic and Advanced Materials 2021 (ICEAM 2021), 2 November 2021, Virtual Conference./ Journal of Physics: Conference Series 2169 (2022): 012019

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1	Astuti, F., Maghfirohtuzzoimah, V. L., Intifadhah, S. H., Az-zahra, P., Arifin, R., <u>Klysubun, W.</u> , Zainuri, M. and Darminto	Local Structure and Electronic Structure of LiFePO ₄ as a Cathode for Lithium-ion Batteries	The 18th IEEE International Symposium on Physics and Applications (ISPA 2020), 17-19 December 2020, Exeter, UK./ Journal of Physics: Conference Series 1951 (2021): 012007
2	Boonruang, C., Won-in, K., <u>Thumanu, K.</u> and Dararutana, P.	X-ray and Infrared Spectroscopy Study on Contamination of Asbestos in Thai Commercial Cosmetic Talc Powder Product	The 9th International Conference on Engineering and Technology (ICET 2021), 27-28 May 2021, Faculty of Engineering, Prince of Songkla University (PSU), Thailand/ IOP Conference Series: Materials Science and Engineering 1163 (2021): 012028
3	Husian, H., Sulthonul, M., Hariyanto, B., <u>Cholsuk, C.</u> and Pratapa, S.	Technical Aspects of EXAFS Data Analysis using Artemis Software	The 7th International Conference of Advanced Materials Science and Technology 2019 (ICAMST2019), 25-26 September 2019, Kota Bandung, Indonesia/ Materials Today: Proceedings (2021)
4	Irhamsyah, A., Lusiana, L., <u>Wannapaiboon, S.</u> , Baqiya, M. A. and Pratapa, S.	Synthesis of Pseudobrookite Fe _{2-x} Al _x TiO ₅ (0 ≤ x ≤ 0.5) Powders	The 18th IEEE International Symposium on Physics and Applications (ISPA 2020), 17-19 December 2020, Exeter, UK./ Journal of Physics: Conference Series 1951 (2021): 012019
5	Monarumit, N., Sakkaravej, S., Wanthanachaisaeng, B., <u>Saiyasombat, C.</u> and Wongkokua, W.	Causes of Color in Purple- and Yellow- Quartz	Journal of Physics: Conference Series 1719 (2021): 012001/ 15 th Siam Physics Congress 2020 (SPC 2020). 4-5 June 2020, Online-COVID-19
6	Ngamsomrit, S., Saisopa, T., Borsup, J., Tun, M. S., Myint, H. T., <u>Nakajima, H.</u> , <u>Songsiriritthigul, C.</u> , Pinitsoontorn, S. and <u>Songsiriritthigul, P.</u>	Preparation of Low-Temperature Phase MnBi by Sintering in Vacuum	Journal of Physics: Conference Series 1719 (2021): 012057/ 15 th Siam Physics Congress 2020 (SPC 2020). 4-5 June 2020, Online-COVID-19
7	Nihlatunnur, N., Latif, C., Negara, V. S. I., Wongtepa, W. and Pratapa, S.	Fe K-Edge X-ray Absorption Near-Edge Spectroscopy and Morphology Analyses of LiFePO ₄ Powders	The 7th International Conference of Advanced Materials Science and Technology 2019 (ICAMST2019), 25-26 September 2019, Kota Bandung, Indonesia/ Materials Today: Proceedings 44 (2021): 3361-3364
8	Paisansombat, S., Monarumit, N. and Aimploysri, S.	Characteristic of Fe in Tektite Observed from XANES and UVVis Spectroscopy	Journal of Physics: Conference Series 1719 (2021): 012002/ 15 th Siam Physics Congress 2020 (SPC 2020). 4-5 June 2020, Online-COVID-19

9	Taufiq, A., Bahtiar, S., Sunaryono, S., Hidayat, A., Hidayat, N. and <u>Soontaranon, S.</u>	Synthesis and Characterization of Nanosized Titanomagnetite Particles	The 7th International Conference of Advanced Materials Science and Technology 2019 (ICAMST2019), 25-26 September 2019, Kota Bandung, Indonesia/ Materials Today: Proceedings 44 (2021): 3229-3232
10	Vu, T. H., Phuong, N. T. M. and Nguyen, T.	Lead-Free Ferroelectric Barium Titanate-Based Thin Film for Tunable Microwave Device Application	3rd International Conference on Inventive Research in Material Science and Technology (ICIRMCT 2021). 22-23 January 2021, Tamil Nadu, India.
11	Won-in, K. and Dararatana, P.	X-ray Spectroscopy Study of Ancient Glass Beads at Hor-Ek, Thailand	Journal of Physics: Conference Series 1719 (2021): 012075/ 15 th Siam Physics Congress 2020 (SPC 2020). 4-5 June 2020, Online-COVID-19
12	Juntong, N., Chanwattana, T., Chunjarean, S., Krainara, S., Phimsen, T., Pulampong, T. and Manasatitpong, K.	The New Design of the RF System for the SPS-II Light Source	The 12th International Particle Accelerator Conference (IPAC2021). 24 - 28 May, 2021, Campinas, SP, Brazi.
13	Chanwattana, T., Chunjarean, S., Juntong, N., Kittimanapun, K., Klinkhieo, S., Manasatitpong, K. and Sudmuang, P.	Update on Injector for the New Synchrotron Light Source in Thailand	The 12th International Particle Accelerator Conference (IPAC2021). 24 - 28 May, 2021, Campinas, SP, Brazi.
14	Krainara, S., Klinkhieo, S., Klysubun, P., Pulampong, T. and Sudmuang, P.	Conceptual Design of Booster Synchrotron for Siam Photon Source II	The 12th International Particle Accelerator Conference (IPAC2021). 24 - 28 May, 2021, Campinas, SP, Brazi.
15	Sunwong, P., Boonsuya, S., Chaichuay, S., Chanwattana, T., Dhammatong, Ch., Kwankasem, A., Preecha, C. P., Pulampong, T., Sittisard, K., Sooksrimuang, V., Srichan, S., Sudmuang, P., <u>Suradet, N. and Tancharakorn, S.</u>	Commissioning and Operation of Superconducting Multipole Wiggler at Siam Photon Source	The 12th International Particle Accelerator Conference (IPAC2021). 24 - 28 May, 2021, Campinas, SP, Brazi.
16	Zaidi, F. H. A., Ahmad, R., Abdullah, M. M. A. B., Mastura, W. and Syauqi, A.	The Effect of Seawater on The Strength, Microstructure and Elemental Distribution of Fly Ash/ Kaolin Based Underwater Geopolymer	2nd Joint Conference on Green Engineering Technology & Applied Computing 2020 (IConGETech 2020)/ IOP Conference Series: Materials Science and Engineering 864 (2020): 012014