

## Program International Conference (Oral Presentation)

## Session I: Informatics and Engineering

Petch Chompoo

Chairperson	Assoc. Prof. Dr.Punyawi Jamjareegulgarn	KMITL Prince of Chumphon
	Assoc. Prof.Dr.Boonchana Purahong.	KMITL
	Asst. Prof. Dr. Thanavit Anuwongpinit	KMITL
Time	Code	Topic
10.15 – 10.30	OI-61	An ABC-Optimized Hybrid CNN-LSTM Model for Chinese Handwritten Signature Recognition (Comparison with Traditional RNNs) <i>Yun Dai Adisak Sangsongfa and Nopadol Amm-Dee</i>
10.30 – 10.45	OI-66	Sentiment Analysis of Tourists' Speech in Heilongjiang Province: Application of Hybrid BiLSTM and FastText in Natural Language Processing <i>Ling Ma Adisak Sangsongfa and Nopadol Amm-Dee</i>
10.45 – 11.00	OI-79	Proposal for an Autonomous and Efficient SQL Learning Support Model Using Generative AI <i>Somchai Chatvichienchai</i>
11.00 – 11.15	OE-47	Investigation into Acoustic Pressure Distribution Across Various Liquids within an Ultrasonic Tank <i>Nongnapat Phadungjiraphanthatip and Karuna Tuchinda</i>
11.15 – 11.30	OE-85	Experimental Fretting Wear Resistance Study of Chromizing Treatment on AAR M101 Railway Axle Steel <i>Manassanun Nitiruksakul Karuna Tuchinda Anchalee Manonukul and Nuksit Noomwongs</i>
11.30 – 11.45	OE-19	A Review on Blue Economy's Dual Role in Reducing CO <sub>2</sub> Pollution and Achieving SDGs <i>JAYDEEP A. KARMUR MAHIPALSINH B. PARMAR KEVAL H. JODHANI and NITESH GUPTA</i>
Lunch break		

## Program International Conference (Oral Presentation)

## Session II: Engineering

Petch Chompoo

Chairperson	Assoc. Prof. Dr. Siriwan Srisang	KMITL Prince of Chumphon
	Assoc. Prof. Dr. Naruebodee Srisang	KMITL Prince of Chumphon
	Assoc. Prof. Dr. Thatchapol Chungcharoen	KMITL Prince of Chumphon
Time	Code	Topic
13.00 – 13.15	OE-03	Real-time Fish classification using Convolutional Neural Network based on Embedded System <i>Taweepol Suesut Wirat Khannakum Paranyu Phraenan and Navaphattra Nunak</i>
13.15 – 13.30	OE-04	Comparison of ON-OFF and PID Temperature Control on Soymilk Fouling Formation in Plate Heat Exchanger <i>Navaphattra Nunak Worapanya Suthanupaphwut and Taweepol Suesut</i>
13.30 – 13.45	OE-16	Thermochemical reforming of biogas to syngas production: A Review <i>Ratikorn Kulporm Srirat Chuayboon Sompong O-Thong and Monsicha Tipawanna</i>
13.45 – 14.00	OE-17	Static Strength and Overload Assessment of Obstacle Deflector in The Aachen Rail Shuttle <i>Ponphom Chakornpipat Nutchanon Prasomsuk Kittchai Sojiphan Chayut Ngamkhanong and Christian Schindler</i>
14.00 – 14.15	OE-20	Sugarcane Leaf Disease Classification Using a Hybrid ReXNet-Based Model and SVMs <i>Krankamon Phukhronghin Kanit Manatura Natthapong PrapakarnNuttapong Wongbubpa and Kritsada Tasuntia</i>
14.15 – 14.30	OE-21	Taguchi-Based Optimization of Torrefaction Conditions for Enhancing Corncob Biomass Properties <i>Kanit Manatura Kunthakorn Khaothong Kitipong Jaogjaruek Kankamon Phookronghin Den Kogphimai Preecha Somwang and Namfon Samsalee</i>

14.30 – 14.45	OE-52	Green Iron and Syngas Production via Continuous Solar Iron Oxide Reduction with Betel Nut Biowaste-Residue <i>Srirat Chuayboon and Stéphane Abanades</i>
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Program International Conference (Oral Presentation)

Session III: Engineering

Petch Chompoo

Chairperson	Assoc. Prof. Dr. Sira Saisorn	KMITL Prince of Chumphon
	Assoc. Prof. Dr. Srirat Chuayboon	KMITL Prince of Chumphon
	Asst. Prof. Dr. Kittisak Phetpan	KMITL Prince of Chumphon
Time	Code	Topic
15.00 – 15.15	OE-30	Measuring the Photosynthesis Photon Flux Density Using Spectral Sensor <i>Pattarapong Sunongbua Jintaphorn Klinsuk and Weerasak Lertsiriyothin</i>
15.15 – 15.30	OE-48	Dynamic Responses of Prestressed Concrete Sleeper due to Flat-Spot on Railway Wheels using Finite Element Method <i>Supapol Rahannok Kittichai Sojiphan Chayut Ngamkhanong</i>
15.30 – 15.45	OE-50	Enhancing Road Traffic Accident Data Collection and Reconstruction Process in Thailand <i>Anyamanee Suksing and Julaluk Carmai</i>
15.45 – 16.00	OE-54	Biomimetic Kinetic Facade Design for Enhanced Daylighting: A LEED v 4 Based Approach for a Reading Room of a Dormitory in Chittagong, Bangladesh <i>Gourav Deya and Vorapat Inkarojrit</i>
16.00 – 16.15	OE-70	Design Drying Control System from LPG by Proportional Integral Derivative (PID) Controller for Charcoal Briquettes <i>Chanon Bunmephiphit Kittikorn Sasujit Churat Thararux and Nigran Homdoun</i>

16.15 – 16.30	OE-72	Improvement on the Cooling Efficiency of a Split-Type A/C Using Waste Heat Recovery <i>Chanwit Wittavirote, Chanon Bunmephiphit</i>
16.30 – 16.45	OE-88	Economic Evaluation of Conversation Energy in Oil Palm Mill Industrial <i>Kanitpong Chitsopon and Chanon Bunmephiphit</i>
16.45 – 17.00	OE-101	Measurement of Forearm Muscle Electromyography during Finger Movements <i>Dithaporn Thungsotanon Sakapan Klaydokjan Nathaporn Suwanpayak and Chompoonud Kulketwong</i>

### Program International Conference (Oral Presentation)

Session IV : Agriculture and Sciences

Petch Siam Ballroom

Chairperson	Asst. Prof. Dr. Chodsana Sriket	KMITL Prince of Chumphon
	Asst. Prof. Dr. Jongjit Jantra	KMITL Prince of Chumphon
	Dr. Kanchalar Keeratrirawee	KMITL Prince of Chumphon
Time	Code	Topic
13.00 – 13.15	OA-14	Comparative of Spawning Induction Methods on Breeding Performance of Mangrove Red Snapper <i>Lutjanus argentimaculatus</i> Broodstock from Earthed Pond-Reared <i>Chawisa Pholsangsee Phongchate Pichitkul Idsariya Wudtisin and Vuttichai Oniam</i>
13.15 – 13.30	OA-80	Effects of Packaging and Temperature-Controlled Materials on the Quality and Transportation Cost of Marinated Salmon <i>Nathaphat Kingkaew, Supakit Sayasoonthorn, Kiatkamjon Intani Ratiya Thuwapanichayanan</i>
13.30 – 13.45	OS-02	Development of alternative UV-protective cotton fabrics using natural dyes from ethanolic extract of carrot and black glutinous rice

		<i>Apiwitch Kraykome Benyapa Wasasiri Thanaporn Maswanna and Tussanee Chantiwas</i>
13.45 – 14.00	OS-69	The Effect of Insulin Pen Instructions Video on Patient with Diabetes by Line Application at HRH Princess Mahachakri Sirindhorn Medical Center <i>Nara Kaewkwan Marisa Mayusoh Sumet Klinhom Pattarawit Rukthong and Tulaya Potaros</i>

## Session V: Management and Social Science &amp; Humanities

Petch Siam Ballroom

Chairperson	Asst. Prof. Dr.Ousanee Sawagvudcharee	KMITL Prince of Chumphon
	Ms. Yenying Chongchit	KMITL Prince of Chumphon
Time	Code	Topic
14.30 – 14.45	OM-63	Knowledge Interaction Capability and Enterprise Innovation Performance in Open Innovation Ecosystems: Quantitative Analysis and Validity Study of Questionnaire Design <i>Dan Zhang Noppadol Amdee Adisak Sangsongfa and Choat Inthawongse</i>
14.45 – 15.00	OSS-86	Enhancing Adolescent Oral Health Education Through Gamification <i>Wachirawat Angkatavanich and Pratchayapong Yasri</i>
15.00 – 15.15	OSS-108	Masculinity representation in “Cherry Magic Japan” and “Cherry Magic Thailand” <i>Nicolas Barcikowsky</i>

## Program International Conference (Poster Presentation)

Chairperson	Asst. Prof. Dr. Jongjit Jantra	KMITL Prince of Chumphon
	Dr. Kanchalar Keeratrirawee	KMITL Prince of Chumphon
	Dr. Nanaphat Suwannarat	KMITL Prince of Chumphon
Time	Code	Topic
10.30 – 10.40	PS-23	Pattern of Pediatric Bacterial Infection and Antibiotic Resistance in Tertiary Care Hospitals, Southern Thailand: A 12-Year Experience <i>Phanvasri Saengsuwan Narongdet Kositpantawong WacharakritWachirapichet and Wisanuwee Suriyaamorn</i>

10.40 – 10.50	PS-53	Comprehensive protein analysis of blackchin tilapia for surimi production potential <i>Theeraphol Senphan Natthapong Mungmueang and Chodsana Sriket</i>
10.50 – 11.00	PS-78	Targeted Metabolomics Analysis of Plant Pathogen <i>Ralstonia solanacearum</i> Towards <i>Bacillus amyloliquefaciens</i> <i>James Danga Alisa S. Vangnai Pimsiri Tiyyon and Nawaporn Vinayavekhin</i>
11.00 – 11.10	PS-92	Water-assisted Extraction Of Asiatic Acid from <i>Centella asiatica</i> <i>Zue Zue Win Myat<sup>1</sup> and Surachai Pornpakakul</i>
11.10 – 11.20	PS-99	Characterization of acid-soluble collagen isolated from Spotted Sickfish ( <i>Drepane punctata</i> ) skin <i>Yannawut Meuykamnerd Saofa Chaloeisamai Supaporn Maknamnit and Sitthipong Nalinanon</i>
11.20 – 11.30	PT-91	Development of a Convolutional Neural Network Model for the Classification of Verb Gestures in Sign Language <i>Siraphop Sangthong Patcharapol Jamsawang and Saran Khamphuk and Siwakon Sokjabok</i>
11.30 – 11.40	PA-77	New Insights into the Status and Distribution of Durian Seed Borers ( <i>Mudaria</i> spp.) (Lepidoptera: Noctuidae) in Thailand <i>Pornthap Chamsuk, Arthit Rukkasikorn, Sunudda Chaovalit, Paradorn Dokchan, Supakorn Tangsuan, Korakot Ratanamahamaneekorn and Pisit Poolprasert</i>
11.40 – 11.50	PA-112	Effect of Chitosan and Silicon on Growth and Strength of <i>Dendrobium</i> sp. Plantlets <i>Tuansobariyah Lateh Alisa Kongjaiman Yoshida Yupa Pootaeng-on Chaowanee Laosutthipong</i>

## Program

The 10<sup>th</sup> National Conference and The 6<sup>th</sup> International Conference 2025  
on Informatics, Agriculture, Management, Business Administration,

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Engineering, Sciences and Technology (IAMBEST 2024)

May 1-2, 2025

Grand Pacific Sovereign Resort & Spa Hotel, Cha-am, Phetchaburi, Thailand

April 30, 2025

16.00 – 18.30	The meeting of distinguished experts and the judging committee, speakers, and networks for the national and international academic conference IAMBEST 2025	
17.00 – 18.30	Installation of poster	Foyer 2

May 1, 2025

08.00 – 08.30	Registration and Installation of poster and soft file presentation	Foyer 1
08.30 – 09.00	Open Ceremony The 10 <sup>th</sup> National Conference and The 6 <sup>th</sup> International Conference 2025	
09.00 – 10.00	Keynote Speaker Topic AI: Driven Agriculture, Engineering, Business and Food Innovation Transformation By Associate Prof. Dr. Siridech Boonsang	Petch Siam Ballroom
10.00 – 10.15	Coffee break	
10.15 – 12.00	Speaker Topic AI: Driven Agriculture, Engineering, Business and Food Innovation Transformation By Associate Prof. Dr. Siridech Boonsang	Business Center
10.30 – 12.00	International Conference (Oral Presentation) Session I: Informatics and Engineering International Conference (Poster Presentation)	Petch Chompoo Foyer 2
	National Conference (Oral Presentation) Session 1 : Informatics and Technology Session 4 : Business administration and Social Science & Humanities	Petch Amphan Petch Phailin
	National Conference (Poster Presentation) Session 1 Agriculture Session 3 Management and Business administration	Foyer 2 Foyer 2
12.00 - 13.00	Lunch break	

## Program

The 10<sup>th</sup> National Conference and The 6<sup>th</sup> International Conference 2025  
on Informatics, Agriculture, Management, Business Administration,  
Engineering, Sciences and Technology (IAMBEST 2024)

May 1-2, 2025

Grand Pacific Sovereign Resort & Spa Hotel, Cha-am, Phetchaburi, Thailand

May 1, 2025

13.00 – 14.30	International Conference (Oral Presentation)	
	Session II : Engineering	Petch Chompoo
	Session IV : Agriculture and Sciences	Petch Siam Ballroom
	National Conference (Oral Presentation)	
	Session 2 Management	Petch Amphan
	Session 5 Agriculture and Sciences	Petch Phailin
	National Conference (Poster Presentation)	
	Session 2 : Technology and Engineering	Foyer 2
	Session 4 : Sciences	Foyer 2
14.30 - 14.45	Coffee break	
	International Conference (Oral Presentation)	
14.15 – 15.30	Session V: Management and Social Science & Humanities	Petch Siam Ballroom
14.45 – 17.30	Session III : Engineering	Petch Chompoo
14.15 – 17.30	National Conference (Oral Presentation)	
	Session 3: Engineering	Petch Amphan
	Session 6: Business administration	Petch Phailin
18.30 – 21.00	Dinner	Petch Siam Ballroom

May 2, 2025

10.00 – 11.30	The Network Meeting for the National and International Academic Conference IAMBEST 2025.
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Remarks: The program can be adjusted.



