



The 6th International Conference on Information Technology (InCIT 2022)



10th-11th NOVEMBER 2022

@PANYAPIWAT INSTITUTE OF MANAGEMENT (PIM)
NONTHABURI, THAILAND

MESSAGE FROM GENERAL CHAIR

On behalf of the CITT Association, it is our great honor to welcome you to the 6th International Conference on Information Technology (InCIT 2022) at Panyapiwat Institute of Management (PIM) in Nonthaburi, Thailand.

InCIT is an essential forum for researchers to discuss the state-of-the-art and future trends of related technology and exchange experiences. Hence, we encourage delegates to participate actively in the sessions and discussions ahead during the conference days.

On behalf of the CITT Association, we would like to thank the international coordinators, advisory committees, organizing committees, program chairs, and reviewers who voluntarily invested their time in selecting papers and arranging such a successful conference. We wish everyone a happy time with this successful and fruitful conference and enjoy their stay in Thailand.

We would like to express our gratitude to all committee members for their devotion and hard work to make this truly successful conference. Finally, we wish you all the inspiring discussions and enjoy your time along with cordial and sincere friendship at InCIT2022, Thailand.

Thank you very much.



Assoc.Prof. Pisit Chamkeitkong , D.Eng.

InCIT2022 General Chair

President of CITT Association

Panyapiwat Institute of Management

MESSAGE FROM TECHNICAL PROGRAM CHAIR

On behalf of the technical program committee (TPC), we would like to deeply thank all participants and it is our great pleasure to welcome you to the 6th International Conference on Information Technology (InCIT 2022).

We are very excited about the technical program that brings together many high-quality papers from many countries, more than hundred contributed papers that were submitted to our conference in this year. Our team which consists of TPCs and reviewers has worked hard to complete the process of peer review and selection. Each paper received comments from the respective research community. In addition, there are three keynote and three invited speakers who contribute in this conference. Consequently, the conference program has about hundred papers from various universities and institutions including both onsite and online sessions.

Finally, we would also like to express our deepest gratitude to all committee members and session chairs who voluntarily invest their own time in selecting papers and arranging such a successful and memorable conference. We hope you enjoy the technical program and that while at the conference you can take advantage of the excellent chance to exchange ideas with other researchers and practitioners, and also initiate some fruitful collaboration between universities or institutions. Welcome you all to PIM, Thailand.

Thank you very much.



Datchakorn Tancharoen, Ph.D.

Technical Program Chair

Panyapiwat Institute of Management

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WELCOME TO InCIT 2022

The 6th International Conference on Information Technology (InCIT2022)

Theme: Digital Technology and Innovation During Education Transformation

Date: 10th-11th November 2022

Venue: Panyapiwat Institute of Management (PIM), Nonthaburi, Thailand

The Sixth International Conference on Information Technology (InCIT2022) is a premier forum for sharing research in areas related to information and communication technologies. We believe that fostering research encompassing intelligent technology and innovation for the future of society is vital. Authors involved in those research areas are cordially invited to submit papers and present them at InCIT2022. The conference will be an ideal opportunity to strengthen collaboration between researchers. It will provide many excellent opportunities for participants to exchange and discuss new innovative ideas and research results, as well as enabling exploration of future directions for cooperative research.

Scope:

- Artificial Intelligence
- Cloud Service and Computing
- Computer Animation and Game
- Database Technology
- Geo-informatics
- IT in Education
- IT Security and Privacy
- Intelligence Communications
- Network Security and Privacy
- Pattern Recognition
- Quantum Computing
- Natural Language Processing
- Smart and Expert Systems
- Wireless and Mobile Networks
- Data Science and Analytics
- Communications and Networking
- Digital Multimedia Technology
- E-Commerce, E-Education, E-Industry, E-Society
- Human Computer Interaction
- IT and Project Management
- IT and Mobile Application
- Internet of Things
- Augmented and Virtual Reality
- Platform Technologies
- Signal Processing
- Bio-medical Informatics
- Web and Internet Technologies
- Other Related Topic

Paper Submission

Full paper submission in English is expected. All manuscripts must be prepared in the standard IEEE Conference Proceedings format and limited to 4-6 pages of A4 form in PDF format. Please use 10 points and Time New Roman font. The authors' names and affiliations, postal addresses, telephones, fax numbers and e-mail addresses must be omitted from the submitted manuscripts. Each manuscript must contain an abstract of about 150 words.

Program Agenda

There are 18 sessions for InCIT2022 delivered by hundreds of national and international speakers. The accepted papers for the conference will be presented as oral presentations on either online or onsite platforms. Both presentations are vital to the success of the conference and are expected to be of similarly high technical quality.

Onsite and Online Oral Presentations

The presenting author or representative must be registered at the Conference and available to provide details and answer questions during the Conference. The presentation has a 12-minute talk by the registered author, followed by a 3-minute discussion period for in-person attendees.

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- Apichaya Nimkoompai
- Apirak Hoonlor
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- Auttapon Pomsathit
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- Chayapol Kamyod
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- Ferdin Joe John Joseph
- Hanmin Jung
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- Jaree Thongkam
- Jian Qu
- Jirawut Benjanarasut
- Kaboon Thongtha
- Kanjana Laosen
- Kanokwan Siththithakemgkiet

- Karn Yongsiriwit
- Kasem Thiptarajan
- Kemachart Kemavuthanon
- Khwunta Kirimasthong
- Konlakom Wongpatikaseree
- Korawit Prutsachainimmit
- Kreangsak Tamee
- Kriengsak Treeprapin
- Krisda Lengwehasatit
- Krishna Chimmanee
- Kunagorn Kunavut
- Kwankamon Dittakan
- Lin Myint
- Mahamah Sebakor
- Nacha Chondamrongkul
- Narit Hnoohom
- Narong Chaiwut
- Narong Mettripun
- Narongdech Keeratipranon
- Narongsak Putpuek
- Nattagit Jiteurtragool
- Nattakam Phaphoom
- Nattapol Aunsri
- Nattapong Tongtep
- Nikom Rongbutsri
- Nilubon Kurubanjerdjit
- Nutthanon Leelathakul
- Paitoon Rukluer
- Pakapan Limtrairut
- Papangkorn Pidchayathanakom
- Paramate Horkaew
- Parinya Sanguansat
- Parkpoom Chaisiriprasert
- Paskom Apirukvorapinit
- Patcharapom Panwong
- Paweena Suebsombut


- Peraphon Sophatsathit
- Petcharat Suriyachai
- Phattanapon Rhienmora
- Pikul Vejjanugraha
- Piya Kovintavewat
- Piyanuch Silapachote
- Porawat Visutsak
- Pomavalai Chotipat
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- Siriwatchana Kaeophanuek
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- Teerawat Kamnardsiri
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- Vasaka Visoottiviseth
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- Yoko Nakajima
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PROGRAM

InCIT 2022 Program Schedule 10 November 2022

10 Nov. 2022	Period	Program	Location
	8:00-9:00	Registration	CP ALL Academy
	9:00-9:45	Opening Ceremony - Main room (Hybrid) 	Auditorium
	9:45-10:15	Keynote I: Dr.Siwaruk Siwamogsatham Secretary- General of Personal Data Protection Committee	
	10:15-10:30	Break	
	10:30-11:00	Keynote II: Dr.Chawapol Jariyawitroj President, Huawei Technologies Thailand Co.,Ltd.	
	11:00-11:30	Keynote III: Assoc. Prof. Dr.Supavadee Aramvith Vice Chair, IEEE Thailand Section	
	11:30-12:00	Program Introduction	
	12:00-13:00	Lunch Break	Hall 1-2









InCIT 2022 Program Schedule 10 November 2022

10 Nov. 2022	Period	Program			Location	
	12:00-13:00	Lunch Break			Hall 1-2	
	13:00-14:30	Hall 3 - Main room (Hybrid) 		Hall 5	Hall 6	PIM Convention Hall
		Invited Speakers		RS1	NCT1	
		Wu-Yuin Hwang Kwang-Hyun Baek Mitsunori Makino		1570843100	2335	
				1570825805	2977	
				1570835232	3836	
	1570835492			3971		
			1570822745	9730		
			1570852119	244		
	14:30-15:00	Break			Hall 1-2	
	15:00-16:30	Hall 3	Hall 4	Hall 5	Hall 6	PIM Convention Hall
		IS1	IS2	RS2	NCT2	
1570843075		1570847124	1570845157	2030		
1570835863		1570847126	1570824071	4379		
1570844613		1570842902	1570824721	4997		
1570846052		1570834778	1570835493	5645		
		1570836548	1570835385	8329		
		1570835543	1127			
16:30-17:30	Networking and Activity			Hall 1-2		
17:30-18:00	Transfer Venue			PIM		
18:00-21:00	Welcome Reception			Best Western Hotel		

InCIT 2022 Program Schedule 11 November 2022

	Period	Program				Location
	11 Nov. 2022	12:00-13:00	Registration			
15:00-16:30		Hall 3	Hall 4	Hall 5	Hall 6	PIM Convention Hall
		SS1	SS2	RS3	NCTI3	
		1570833382	1570836024	1570835562	3510	
		1570844710	1570836075	1570833366	7059	
		1570844721	1570845850	1570835530	8098	
		1570846273	1570845874	1570835752	9249	
		1570821545	1570846151	1570835577	1851	
1570835724		1570852795	1570835641			
10:00-10:30		Break				Hall 1-2
10:30-12:00	Hall 3	Hall 4	Hall 5	Hall 6	PIM Convention Hall	
	IS3	SS3	RS4	NCTI4		
	1570845658	1570837890	1570831874	4193		
	1570845219	1570840911	1570845333	5871		
	1570845014	1570846169	1570846110	6559		
	1570845587	1570846224	1570806076	7330		
	1570844962	1570846255	1570846217	7476		
1570845417	1570848059	1570845922	9309			
12:00-13:00	Lunch / Online Registration				Hall 1-2	

InCIT 2022 Program Schedule 11 November 2022

	Period	Program				Location
	11 Nov. 2022	12:00-13:00	Lunch / Online Registration			
13:00-14:30		IS4 OL 	SS4 OL 	RS5 OL 	RS6 OL 	Online
		1570844878	1570830764	1570822758	1570846202	
		1570843390	1570839344	1570825500	1570830431	
		1570833512	1570830441	1570826043	1570845580	
		1570846510	1570837340	1570835527	1570845032	
		1570844954	1570833679	1570835140	1570847731	
		1570837190	1570829885	1570826676		
14:30-15:00		Online Networking – Main room				Online
15:00-16:30		IS5 OL 	SS5 OL 	RS7 OL 	RS8 OL 	Online
	1570845949	1570849084	1570844973	1570852129		
	1570840929	1570843575	1570835342	1570852148		
	1570840931	1570849406	1570835557	1570852154		
	1570841097	1570845068	1570835921	1570852380		
	1570843309	1570852069	1570844864			
16:30-17:00	Closing Remark - Main room				Online	

PAPER INFORMATION

ID	TITLE	PAGE
1570806076	Lightweight Automatic Business Card Generator Utilizing the Swift Language <i>Pawit Limpasuthum; Datchakorn Tancharoen</i>	1
1570821545	Development of MFU WIFI MAP <i>Suppakam Chansareewittaya; Korrawit Santithanmanan; Chawarat Bannasak; Anavil Goythong; Mahamah Sebakor</i>	5
1570822744	Seaport Throughput Forecasting by Hybrid Machine Learning Algorithm <i>Hwan-Seong Kim; Truong Ngoc Cuong; Long Le Ngoc Bao; Sam-Sang You; Tae-Woo Lim</i>	10
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