

Advisory Committee

Steering Committee

Economics, China

Kirapat Jiamset, IEEE Thailand Section

Watcharapong Intrawong, KU, Thailand

Chongrak Wachrinrat, KU, Thailand

Anan Phonphoem, KU, Thailand

Chidchanok Lursinsap, CU, Thailand

Ekkarat Boonchieng, CMU, Thailand

Ilsun You, Kookmin University, Korea

Kreangsak Tamee, NU, Thailand

Kosin Chamnongthai, KMUTT, Thailand

Prabhas Chongsitvatana, CU, Thailand

Sartra Wongthanavasu, KKU, Thailand

Tsuyoshi Isshiki, Tokyo Inst Tech, Japan

Suparp Kanyacome, KU, Thailand

Siriporn Tubtim, KU, Thailand

Technical Program Chair

Atchara Namburi, KU, Thailand

Rathanit Sukthanapirat, KU, Thailand Sakorn Mekruksavanich, UP, Thailand

Sungkom Srisomporn, KU, Thailand

Chaiwat Sirawattananon, KU, Thailand

Chih-Yang Lin, Yuan Ze University, Taiwan

Samiksha Shukla, Christ University, India

Thanawin Rakthanmanon, KU, Thailand

Anuchit Jitpattanakul, KMUTNB, Thailand

Konlakorn Wongpatikaseree, MU, Thailand

Nidchabendha Chandanachulaka Roekrai, KU, Thailand

Rajeswari Matam, Birmingham Children's Hospital, United

Mingmanas Sivaraksa, MU, Thailand

Chutima Beokhaimook, RSU, Thailand

Technical Program Committee
Achara Pichetjamroen, KU, Thailand

Bowornrat Sriman, KU, Thailand

Jitsaran Seekuka, KU, Thailand Jugnarin Kungjaroen, KU, Thailand Komate Amphawan, BUU, Thailand

Narit Hnoohom, MU, Thailand

Nitaya Muengnak, KU, Thailand

Ngoc Hong Tran, VGU, Vietnam Peera Liewlom, KU, Thailand

Pokpong Songmuang, TU, Thailand

Sasithorn Suchaiya, KU, Thailand

Sawinee Saengsuriyan, KU, Thailand

Susama Chokphoemphun, KU, Thailand Tanomsak Wongmeekaew, KU, Thailand

Thanawat Phattaraworamet, KU, Thailand

Thapani Hengsanankun, KU, Thailand

Aziz Nanthaamornphong, PSU, Thailand

Pilasinee Tantachasatid, KU, Thailand

Tassawan Peekun, KU, Thailand

Walailuck Wongruen, KU, Thailand

Publication Chair

General Secretary

Jaruwat Pailai, KU, Thailand Warat Sriwannarat, KU, Thailand

Rachasak Somyanonthanakul, RSU, Thailand

Surasak Tangsakul, KU, Thailand

Chakchai So-In, IEEE Computer Chapter/KKU, Thailand

Krisana Chinnasarn, IEEE Computer Chapter/BUU, Thailand

Suphakant Phimoltares, IEEE Computer Chapter/CU, Thailand

General Chair

General Co-chair

Pornthep Rojanavasu, UP, Thailand

Punpiti Piamsa-nga, KU, Thailand

Prasong Praneepolgrang, SPU, Thailand

Randa Herzallah, Aston University, United Kingdom

Thatchaphol Saranurak, University of Michigan, USA

Thomas Bermudez, Ernst & Young, United Kingdom

Vutipong Areekul, ECTI Association, Thailand

Bundit Laekhanukit, Shanghai University of Finance and















The 26th International Computer Science and Engineering Conference

Kasetsart University, Chalermphrakiat Sakon Nakhon Province Campus, Thailand

21 - 23 December 2022

The International Computer Science and Engineering Conference (ICSEC) is the premier forum for the presentation of researchers, practitioners, and educators to present and discuss the most recent innovations, research, experience, trends, and concerns in the field of Computer Science, Computer Engineering, Software Engineering, and Information Technology. ICSEC2022 is organized by IEEE Thailand Section, IEEE ComSoc Thailand Chapter, and ECTI Association Thailand and hosted by the Faculty of Science and Engineering Kasetsart University, Chalermphrakiat Sakon Nakhon Province Campus. ICSEC 2022 will be held in a hybrid format with both onsite and virtual versions to accommodate all participants over three days, with special sessions and presentations delivered by researchers from the international communities, including presentations from well-known keynote speakers. Accepted full papers (4 to 6 pages) will be submitted to the IEEE Xplore database. Papers related to this conference theme include theories, methodologies, and emerging applications are encouraged. Contributions covering theoretical developments and practical applications, including but not limited to the following technical areas, are invited.

In addition, the authors of the selected papers will be suggested to submit the paper to some selected journals which are indexed by SCOPUS as follows:

- Agriculture and Natural Resources (Q2 in SCOPUS)
- ECTI Transactions on Computer and Information Technology (Q4 in SCOPUS)

The conferences will be held in Kasetsart University, Chalermphrakiat Sakon Nakhon Province Campus, Thailand, where is an enchanting city with delightful natural beauty and fascinating landmarks in the northeastern of Thailand. The technical program will focus on researches and solutions for supporting the digital economy to stabilize regional and global social development along with environmental preservation.

All papers will be presented at both an onsite symposium for people living in Thailand and an online symposium for international participants including some Thai people who cannot attend the onsite conference.

We look forward to receiving your contributions and to see you at the joint conference of ICSEC2022.

Technical Tracks

- 1. Artificial Intelligence and Machine Learning
- 2. Big Data, Data Science and Its Applications
- 3. Bioinformatics/Biomedical Applications
- 4. Computer Network and Architecture
- 5. Distributed Intelligent Systems
- 6. Digital Technologies and Management
- 7. Information Security & Risk Management
- 8. Intelligent Devices and IoT
- 9. Multimedia Applications
- 10. Robotic Systems
- 11. Software Engineering
- 12. High Performance Computing
- 13. Human-Computer Interaction
- 14. Information Technology

Special Tracks

Computers in Agriculture and Natural Resources

Important Dates

Activity	Round#1	Round#2
Paper Submission	1 May - 31 Jul, 2022	1 Aug - 30 Sep, 2022
Notification of Acceptance	20 Aug 2022	20 Oct 2022
Early Bird Registration and Camera Ready Submission	10 Sep 2022	10 Nov 2022
Conference Dates	21 – 23 Dec 2022	

Paper Submissions

- 1) Prospective authors are invited to submit original full papers WITHOUT authors' names and affiliations, in English, of 4 6 pages in standard IEEE two-column format only, reporting their original work and results, applications, and/or implementation in one or more of the listed areas.
- 2) Papers must be submitted online only through the submission system of the conference website.
- 3) At least one author of each accepted paper MUST register and present the paper at the conference in order that the paper is to be included in the program. The program will also be submitted for inclusion in the IEEE Xplore. All accepted papers will be submitted for inclusion into IEEE Xplore as well as SCOPUS indexing.

IEEE Conference Part Number: CFP22IBE-ART, ISBN: 978-1-6654-9198-3

LOCAL FESTIVAL HIGHLIGHT!!

THE BEST TIME DURING 21-25 DEC TO ENJOY THE TRADITIONAL CHRISTMAS STAR PARADE, WALKING STREET, AND VILLAGE OF ILLUMINATION.











Correspondence Address

Faculty of Science and Engineering
Kasetsart University,
Chalermphrakiat Sakon Nakhon Province Campus
59/5 Moo1 Chiangkrua Muang Sakon Nakhon 47000. THAILAND

Tel. +668-1739-1541

Email: fse-csc@ku.th

URL: https://kuse.csc.ku.ac.th/icsec2022

EDAS Submission: edas.info/N29860