Call for Papers

ICBIR 2022

Interdisciplinary Research Conference

2022 7th International Conference on Business and Industrial Research
ICBIR2022 (Hybrid Conference) : 19–20 May, 2022 Bangkok, Thailand

Organizers : Thai-Nichi Institute of Technology (TNI)
and Artificial Intelligence Association of Thailand (AIAT)

The 7th International Conference on Business and Industrial Research (ICBIR2022) is a multidisciplinary academic conference which includes research in science, engineering, informatics, modern business, social science and linguistics since 2010. ICBIR2022 will provide opportunities for the Researchers, Academicians, Industry persons and students to interact and exchange ideas, experience and expertise in the current trend and upcoming technologies. Besides this, participants will have the opportunity to meet people with similar research interests which can lead to future research cooperation. The need for a multidisciplinary conference is to make transdisciplinary collaboration among researchers from around the globe. The areas of research covered by ICBIR are the most disruptive technologies currently undergoing a massive transformation. This conference is planned as the offline conference to be conducted in the second quarter of 2022. This plan is tentative as Bangkok is opening for fully vaccinated foreigners to visit by the end of 2021. Special sessions are also open for academicians and researchers to collaborate with like minded researchers to bring a theme under one umbrella and proposals are invited for the same. Accepted papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements. Sightseeing opportunities also will be provided to participants. Registration benefits are available for IEEE members, AIAT members and partner universities' faculty and students.

RESEARCH TOPICS (General Sessions)

Track 1: **Technology on Education, Language and Social Science:** Learning Management System (LMS), IT Application for Teaching and Learning, E-learning and Online Education, Computational Linguistic, Digital Technology for Social Development, Language Efficiency Improvement Strategy, Other related topics.

Track 2: **Information and Communication Technology:** Digital and Multimedia Technology, Computer Networks Performance, Networks and Cyber Security, Data Science and Analytics, Business Intelligence and Technology, Web Technology and Mobile Applications, AI and IoT, Natural Language Processing, Other related topics.

Track 3: **Sciences and Engineering:** Artificial Intelligence and Robotics, Computer Vision and Image Processing, Production and Automotive Engineering, Embedded System Architecture, Electrical Power Systems, Other related topics.

Track 4: **Modern Business Administration:** Digital Marketing, E-Logistics and Supply Chain, E-Business Management, Digital Innovation in Industrial Management, Banking & Risk Management Technology, IT Application for Finance & Accounting, Smart Tourism, Software System for Manufacturing, SAP/ERP, Other related topics.

RESEARCH TOPICS (Special Session)

Language Processing in Data Analytics Era

Importance Dates

Deadline of Paper Submission:	~~January 31, 2022~~ March 15, 2022
Notification of Acceptance:	March 15 – ~~March 30, 2022~~ April 10, 2022
Deadline of Camera Ready:	April 15, 2022
Early Bird Registration:	March 15 – ~~April 10, 2022~~ April 20, 2022
Regular Registration:	~~April 11 – 30, 2022~~ April 21 - May 10, 2022
Conference Date:	May 19 – 20, 2022

Registration fee

Categories	Regular presenter		Student presenter		Audiences
	Early bird	Regular	Early bird	Regular	
Normal Participants	USD 300	USD 350	USD 200	USD 250	USD 100
Members of IEEE, AIAT and MOU	USD 270	USD 315	USD 180	USD 225	USD 90

icbir.tni.ac.th

Contact ICBIR Secretariat : icbir@tni.ac.th Website : icbir.tni.ac.th

Sponsoring Organizations | CITT | DGA | SCGC | E@

Honorary Chairs

Krisada Visavateeranon TNI, Thailand
President of Thai-Nichi Institute of Technology

Thanaruk Theeramunkong AIAT, Thailand
President of Artificial Intelligence Association of Thailand

Kirapat Jiamset IEEE, Thailand
Chair of IEEE Thailand Section, Thailand

Yoshikazu Miyanaga CIST, Japan
President of Chitose Institute of Science and Technology

General Chair

Ruttikorn Varakulsiripunth TNI, Thailand
Vice President, Thai-Nichi Institute of Technology

General Co-chair

Krisana Chinnasarn BUU, Thailand
Kosin Chamnongthai KMUTT, Thailand
Virach Sornlertlamvanich MU, Japan

Technical Program Chair

Warakorn Srichavengsup TNI, Thailand

Technical Program Committee

Booncharoen Sirinaovakul KMUTT, Thailand
Apinunt Thanachayanont KMITL, Thailand
Worapong Tangsrirat KMITL, Thailand
Prayoot Akkaraekthalin KMUTNB, Thailand
Mana Sriyudthsak CU, Thailand
Chiranut Sa-ngiamsak KKU, Thailand
Saiyan Saiyod KKU, Thailand
Paritud Bhandhubanyong PIM, Thailand
Annop Monsakul PIM, Thailand
Chirawan Chaisuwan CMU, Thailand
Woranat Sangmanee KMITL, Thailand
Tiwa Park BU, Thailand
Pranee Jongsutjarittam KU, Thailand
Ekarat Rattagan NIDA, Thailand
Kuntpong Woraratpanya KMITL, Thailand
Waree Kongprawechnon SIIT, TU, Thailand
Samuel S. Chua LPU, Philippines
Tsutomu Konosu CIT, Japan
Akimitsu Hatta KUT, Japan
Hideki Hosoda Tokyo Tech, Japan
Kou Yamada GU, Japan
Tatsuhiko Aizawa SIT, Japan
Volodymyr Chernenko EHU, Spain
Sanghyuk Lee XJTLU, China
Manfred Glesner TU Darmstadt, Germany
Hitoshi Isahara OIDAI, Japan
Hiroshi Tsunoda TOHTECH, Japan
KC Santosh USD, USA
Yasushi Kiyoki MU, Japan
Thatsanee Charoenporn MU, Japan
Takafumi Nakanishi MU, Japan
Kamfai Wong CUHK, China
Pikul Vejjanugraha TNI, Thailand
Ferdin Joe John Joseph TNI, Thailand
Watson Chansajcha Bualuang Securities, Thailand

Call for Papers

ICBIR 2022

Special Session on Language Processing in Data Analytics Era

2022 7th International Conference on Business and Industrial Research
ICBIR2022 (Hybrid Conference) : 19–20 May, 2022 Bangkok, Thailand

Organizers : Thai-Nichi Institute of Technology (TNI)
and Artificial Intelligence Association of Thailand (AIAT)

The 7th International Conference on Business and Industrial Research (ICBIR2022) is a multidisciplinary academic conference which includes research in science, engineering, informatics, modern business, social science and linguistics since 2010. ICBIR2022 will provide opportunities for the Researchers, Academicians, Industry persons and students to interact and exchange ideas, experience and expertise in the current trend and upcoming technologies. Besides this, participants will have the opportunity to meet people with similar research interests which can lead to future research cooperation. The need for a multidisciplinary conference is to make transdisciplinary collaboration among research-ers from around the globe. The areas of research covered by ICBIR are the most disruptive technologies currently undergoing a massive transformation. This conference is planned as the offline conference to be conducted in the second quarter of 2022. This plan is tentative as Bangkok is opening for fully vaccinated foreigners to visit by the end of 2021. Special sessions are also open for academicians and researchers to collaborate with like minded researchers to bring a theme under one umbrella and proposals are invited for the same. Accepted papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements. Sightseeing opportunities also will be provided to participants. Registration benefits are available for IEEE members, AIAT members and partner universities' faculty and students.

Special Session : Language Processing in Data Analytics Era

Natural Language Processing (NLP) is a long-term challenge driving a human sophisticated recognition tasks in artificial intelligence, specialized in language representation, understanding, and generation, which are the critical elements in machine translation, question answering, summarization, to name a few. Thanks to the recent advancement in deep learning and data science research, many NLP applications have been realized with the unprecedented boost in performance, and well-accepted in the practical use enhancing by the instant outreaching on the Internet and Internet of Things (IoT). NLP together with the data insight is magnifying human potentials to cope with the drastic change in the way of problem solving, and is growing interest in research of NLP and data science.

Aiming to cover state-of-the-art research on a variety of applications that take NLP, data science, machine learning and deep learning into account, both theoretical analysis and empirical solutions to real-world problems are welcome and/or encouraged.

Relevant discovery topics include, but are not limited to:

- information extraction, named entity recognition and relation extraction
- document classification, question answering, summarization, and sentiment analysis
- data mining, data science and big data
- data clustering, visualization and services
- semantic computing
- social media, social networking, and social data analysis
- AIoT, sensors, networks, and devices
- object detection, object tracking, and classification
- face detection and identification
- human activity recognition
- handwritten character recognition
- information solutions developed for the disabled and elderly
- multidisciplinary applications, such as healthcare, medical imaging informatics, clinical text mining, human behavioral analysis, and nonverbal communication
- creative tasks, such as storytelling, caption generation, media analytics, and multilingualism

---

Honorary Chairs

Krisada Visavateeranon — TNI, Thailand
President of Thai-Nichi Institute of Technology

Thanaruk Theeramunkong — AIAT, Thailand
President of Artificial Intelligence Association of Thailand

Kirapat Jiamset — IEEE, Thailand
Chair of IEEE Thailand Section, Thailand

Yoshikazu Miyanaga — CIST, Japan
President of Chitose Institute of Science and Technology

General Chair

Ruttikorn Varakulsiripunth — TNI, Thailand
Vice President, Thai-Nichi Institute of Technology

General Co-chair

Krisana Chinnasarn — BUU, Thailand
Kosin Chamnongthai — KMUTT, Thailand
Virach Sornlertlamvanich — MU, Japan

Special Session Chair

Virach Sornlertlamvanich — MU, Japan

Special Session Committee

KC Santosh — USD, USA
Yasushi Kiyoki — MU, Japan
Thatsanee Charoenporn — MU, Japan
Takafumi Nakanishi — MU, Japan
Hitoshi Isahara — OIDAI, Japan
Kamfai Wong — CUHK, China
Pikul Vejjanugraha — TNI, Thailand

Importance Dates

Deadline of Paper Submission: ~~January 31, 2022~~ March 15, 2022
Notification of Acceptance: March 15 – ~~March 30, 2022~~ April 10, 2022
Deadline of Camera Ready: April 15, 2022
Early Bird Registration: March 15 – ~~April 10, 2022~~ April 20, 2022
Regular Registration: ~~April 11 – 30, 2022~~ April 21 - May 10, 2022
Conference Date: May 19 – 20, 2022

Registration fee

Categories	Regular presenter		Student presenter		Audiences
	Early bird	Regular	Early bird	Regular	
Normal Participants	USD 300	USD 350	USD 200	USD 250	USD 100
Members of IEEE, AIAT and MOU	USD 270	USD 315	USD 180	USD 225	USD 90

Note:

- All the papers for this Special Session have to be submitted through submission system of ICBIR2022
- all questions concerning this Special Session, please send by e-mail to virach@musashino-u.ac.jp
- other general questions related to the ICBIR2022 conference, please send by e-mail directly to conference secretariat: icbir@tni.ac.th

Contact ICBIR Secretariat : icbir@tni.ac.th Website : icbir.tni.ac.th

icbir.tni.ac.th

Sponsoring Organizations: CITT, DGA, SCGC, E@