

# ACTIVITY

Opening ceremony and parallel sessions included oral presentations and poster presentations organized by various schools, colleges, research centers, and centers of excellence of Walailak University





# EDITORIAL



On behalf of the organizing committee, I am pleased to report on the Walailak Research Convention 2024 (WRC2024), held at Walailak University, Thailand, from March 27-29, 2024. The convention served as a public forum for presenting academic research and facilitating knowledge exchange among researchers, agencies, entrepreneurs, the public, and students. Our objectives were to advance research, spur innovation, and establish networks both nationally and research internationally. This year's theme, "Roles of Higher Education in the Turbulent World," was organized by the Research and Innovation Institute of Excellence (RIIE) and various university entities. The event featured parallel sessions addressing challenges in university roles, focusing on the Digital Economy, Carbon Neutrality, and Quality of Life. Esteemed global experts enhanced the conference through keynote presentations and panel discussions.WRC2024 provided early-career researchers and students a platform to engage with scientific advancements and professionals, facilitating networking, knowledge exchange, and international collaboration.

> Assoc. Prof. Dr. Siwarit Pongsakornrungsilp Vice-President of Walailak University

SUMMARY of Walailak Research Convention 2024 (WRC 2024) International Academic Conference



Walailak University, through its Research Institute for Excellence and Innovation, in collaboration with various research centers and schools, organized the 3rd Walailak Research Convention 2024 (WRC 2024). This international convention, held in a hybrid format, was themed "Roles of Higher Education in the Turbulent World" and commemorated the university's 32nd anniversary. The convention brought together researchers, academics, and professionals from over 18 countries to discuss and exchange knowledge.

# **Opening Ceremony:**

Date: March 27, 2024

Venue: Phattarathammaporn Conference Room, 9th Floor, Walailak University Medical Center Hospital

# Speakers:

- Welcome Speech: Prof. Dr. Sombat Thamrongthanyawong, President of Walailak University
- Opening Remarks: Assoc. Prof. Dr. Surin Maisrikrod, Vice President, gave a welcome speech and conference report.
- Keynote Speaker: Assoc. Prof. Dr. Pattamavadee Pochanukul, Director of the National Science, Research and Innovation Promotion Board (NSRI), officially opened the conference and delivered a keynote speech on "Role of Universities in Turbulent Times."
- Special Lecture: Prof. Chris Rudd, Deputy Vice Chancellor, James Cook University, Singapore, on "Roles of Higher Education in the Turbulent World."





Panel Discussion: "Roles of Higher Education: The Digital Economy, Carbon Neutrality, and Enhancing Quality of Life"

- Assoc. Prof. Dr. Pongpan
   Kaewtatip, Deputy Director, NSRI
- Mr. Sarin KC, Technical Advisor, Health Intervention and Technology Assessment Program (HITAP)
- Prof. Chris Rudd, Deputy Vice Chancellor, James Cook University, Singapore

Moderator: Assoc. Prof. Dr. Surin Maisrikrod, Vice President





# Participants:



WRC2024 attracted a diverse international audience with representation from over 18 countries, including Japan, Pakistan, Indonesia, South Korea, the USA, the Philippines, Samoa, UAE, Somalia, India, Singapore, Malaysia, Vietnam, Ghana, New Zealand, Russia, Germany, Nepal, and Thailand.

- External Network Organizations: 3 institutes
- Onsite Participants: 218 (including both Thai and international attendees)
- Online Participants: Over 100 attendees
- Facebook Live Stream Statistics (Walailak Channel): 4.7K view
- Engagements (likes, comments, shares): 284 activities

This diverse participation underscores the convention's role as a significant platform for global academic collaboration and knowledge exchange.

# **Conference Format**

- Parallel Sessions: Oral and Poster Presentations: Organized by various academic units of Walailak University, including schools, colleges, research centers, and centers of excellence.
- Poster Competition: Organized by Research Institute for Excellence and Innovation (RIIE)
  - Categories: Digital Economy, Carbon Neutrality, and Quality of Life
  - Entries: 17 posters from undergraduate and postgraduate students



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# **Other Activities:**

- City Tour
- Welcome Dinner



Academic Sessions/Seminars by Centers of Excellence and Research Centers: Held from March 27-29th, 2024, covering 13 topics

# Key Themes of WRC2024

Digital Economy Carbon Neutrality Quality of Life







**Topic:** Digital Social Innovations: Challenges and Possible Solutions for Optimization in Public Health Research, Education Program, and Publications

#### Organized by:

- Research Institute of School of Public Health, Walailak University, Thailand
- Excellent Center for Dengue and Community Public Health (EC for DACH), Walailak University, Thailand
- Public Health Research (PHR) International Program, School of Public Health, Walailak University, Thailand
- Essex Business School, University of Essex, United Kingdom
- Department of Biology, Faculty of Science, Universiti Putra, Serdang, Malaysia

### **Session Summaries**

- 1st Session: Challenges and Possible Solutions for Optimization in Public Health Research, Education, and Publications
- 2nd Session: Digital Social Innovation for Challenging and Optimizing the Public Health Research



# Summary

The 4th Excellent Center for Dengue and Community Public Health (EC for DACH) Hybrid International Conference, Walailak University

### Purpose

The Walailak University provides worldwide level teaching and research in order to propel the academic center to a world ranking. As a result, the school of public health has consistently prioritized international collaboration activities, as both activities boost teaching and research. As a result, the school would like to carry out activities in collaboration with the expert, and most recently, work published in collaboration with Teachers in master's and doctorate programs Public Health Research.

This activity often increases collaboration with scholars on various Faculty of Law topics. It then outlines one critical requirement for universities to follow the Times Higher Education World University Rankings and QS World University Rankings.

#### **Participants**

1. Speakers from Essex University, UK and Universiti Putra, Malaysia

2. Online: 26 participants from Ethiopia (3), Indonesia (1), Pakistan (2), Vietnam (9), Tanzania (1), Thailand (outside WU) (10)

3. Onsite: 21 participants including international students and lecturers from Walailak University



### Highlight "Digital Social Innovation Concept and Implementation"

Digital Social Innovation (DSI) uses digital technologies to address societal challenges, focusing on the well-being of disadvantaged groups. The presentation discussed the difficulties in translating digital innovations into social good and the tendency to exacerbate inequalities.

A digital social innovation framework was presented, emphasizing the importance of social embeddedness and pathways for scaling digital social innovations for greater social impact.





The conference enhanced networking opportunities for lecturers and graduate thesis advisors in the School of Public Health. It also facilitated the development of research proposals among the UK, Malaysia, and Thailand, with plans for collaborative international publications following the exchange of knowledge on digital social health.

# The 1st International Symposium on Sustainable Pathways: Green Synthesis for Functional Materials and Eco-Friendly Applications (SMA2024)



# **Executive Summary:**

1st International Symposium on Sustainable Pathways: Green Synthesis for Functional Materials and Eco-Friendly Applications

Organized by FuNTech at Walailak University, Thailand, this symposium was

a pioneering event that brought together leading researchers, academics, and professionals to discuss the latest advancements in green synthesis techniques for functional materials, emphasizing eco-friendly applications. Over two days, participants engaged in plenary talks, keynote speeches, invited speaker sessions, and poster presentations, focusing on innovative methodologies and sustainable solutions in materials science.

# Keynote Speakers:

- Prof. Dr. Nagendra Kumar Kaushik: Presented research on the green synthesis of nanoparticles using plasmas, demonstrating the potential for sustainable nanotechnology.
- Prof. Dheerawan Boonyawan: Discussed plasma sensors in green fertilizer processes, highlighting
- the interdisciplinary nature of green synthesis and its applications in environmental sustainability.



Conclusion and Future Directions



I**nvited Speakers:** A range of invited speakers from various institutions provided insights into their research. Topics included the development of green sample preparation techniques for environmental and food safety plasma applications, the use of technology for degrading organic impurities in artificial wastewater, and the eco-friendly route for activated carbon production through radiationassisted synthesis.



# Key Highlights: Plenary Talk:

- Speaker: Prof. Dr. Subash C.B. Gopinath, Universiti Malaysia Perlis, Malaysia
- Topic: "Green synthesis of nanomaterials and applications in bioscience and technology"
- Summary: Prof. Gopinath's talk set the tone for the symposium, emphasizing sustainable and environmentally friendly research practices in nanomaterials. 2nd



# **Poster Presentations:**

The poster sessions offered a platform for emerging researchers to showcase their work on the synthesis and application of nanomaterials, the development of metalorganic frameworks (MOFs) for sensing applications, and innovative approaches to water purification and environmental remediation.

# **Research Collaborations and Outcomes**

significant highlight was the А announcement of research collaborations between Japan, Korea, India, and Thailand for plasma synthesis of green fertilizer and applications. This collaborative effort, led by Prof. Kazunori Koga from Kyushu University, Japan, exemplifies the symposium's role in fostering international partnerships and interdisciplinary research in green chemistry and sustainable technologies.

The SMA2O24 symposium successfully highlighted the critical role of green synthesis in addressing global environmental challenges and advancing the field of functional materials. The discussions and research presented underscored the importance of interdisciplinary collaboration, innovation, and sustainability in scientific research. As the symposium concluded, participants were encouraged to continue their pursuit of sustainable pathways in their research endeavors, contributing to a greener and more sustainable future.







# Agricultural and oil palm waste utilization

### Meeting Title and Purpose

**Title:** Agricultural and oil palm waste utilization.

**Purpose:** Bio-Circular-Green Economy – BCG is the main strategy driven by the Thai government to push the country's economic growth and increase national competitiveness. Thus to promote BCG to oil palm and other agricultural industries, the seminar was held to assemble academic experts in the research fields of biomass conversion and agricultural waste utilization for sharing, and disseminating knowledge, and ideas to people in other sectors, especially from government and industrial sectors.



# **Executive Summary**

The academic event is a part of Walailak University's two projects, namely the Inventing University: Vising professors in the topics of Agricultural Waste and Biomass Valorization to High-Value Bioproducts and the Nurturing high potential researchers toward efficient utilization of oil palm high-value industries to products supported by PMU-B. The event consisted of eleven talks from eleven researchers from Walailak University, Prince Songkhla Nakarin University, Mahidol University, Taksin University, Mae Fah Luang University, and Suranaree University of Technology. The event was opened by The Mayor of Nakhon Si Thammarat, Dr. Kanop Ketchat and the opening speech was given by Asst.Prof.Dr.Monthian Setkit, Acting Dean School of Engineering and Technology, Walailak University. Overall, there were 128 attendees, including 28 from government sectors and 31 from the industries.



Brief content of meeting/seminar/symposium and research presentations

The talks focused on the recent advanced research on the topic of agricultural waste and biomass utilization, especially from the oil palm biomass. They explored new concepts and ideas of using biomass waste to convert it into new resources, such as biofuels, biochemicals, and biochemicals, confirming and strengthening BCG's concept that waste can create new income. In addition, feedback and comments from attendees from the seminar helped the researchers shape their future works to be able to tackle current issues of the industries.







### Date: 28-29 March 2024

Venue: AD Building, Walailak University, Thailand, and online via Zoom Meeting Organized by:

- 1. Center of Excellence for Ecoinformatics 2. School of Science
- 3. School of Accountancy and Finance

# **Executive Summary**

The Center of Excellence for Ecoinformatics, the School of Science, and the School of Accountancy and Finance are hosting the International Virtual Conference on Smart Education, bringing together global educators, researchers, and practitioners to discuss smart education advancements. Conference Sessions:

1.Biology: 27 participants (1 keynote speaker, 7 faculty, 14 student presentations, 5 undergrad students)

- Mathematics and Statistics: 46
   participants (2 keynote speakers, 9
   faculty, 11 MSc/PhD students, 10 student
   presentations, 24 undergrad students)
- 3. Physics: 42 participants (3 keynote speakers, 5 faculty, 1 student presentation, 33 undergrad students/teachers)
- 4. Marine Science: 55 participants (3 keynote speakers, 4 faculty, 2 student presentations, 46 undergrad students)
- 5. Science Education: 163 participants (2 keynote speakers, 11 faculty, 3 student presentations, 150 undergrad students)
- 6. Economics, Finance, and Accountancy: 107 participants (1 keynote speaker, 27 faculty, 6 student presentations, 73 undergrad students)

The conference offers a platform for sharing experiences, best practices, and research findings in smart education. Join us to explore how technology is transforming education across these key disciplines.



# *The International Virtual Conference on Smart Education*

#### Key Highlights Total Participants: 440

Keynote Speakers:

- 1.Dr. Curt H. Barnes: "Living Large: Snake Diversity at Thailand's Biggest University Campus, Walailak University"
- 2. Dr. Uten Yarach: "Magnetic Resonance Imaging in the Era of Artificial Intelligence"
- 3. Asst. Prof. Dr. Kiattisak Prathom: "Nakhon Si Thammarat Landslide Prediction Maps Using Machine Learning Methods"
- 4. Asst. Prof. Dr. Tawinan Cheiwchanchamnangij: "Reinventing Physics Laboratory for 21st–Century Undergraduate Students"
- 5. Prof. Dr. Tadeusz Wibig: "Cosmic Radiation: What It Is and Why It Is Worth Studying" (University of Lodz, Poland)
- 6.Dr. Praulai Nootmorn: "Empowering Future Generations: Thailand's Sustainable and Smart Marine Fisheries Management Plan"
- 7.Mr. Suthep Jualaong: "Blue Economy in Thailand: A Case Study of Trat Province"
- 8. Miss Khanittha Uthaipan: "Deoxygenation in the Linked Central Plain of Thailand's River System and the Upper Gulf of Thailand"
- 9. Dr. June Teison: "Place–Based Education: Strengthen STEM Instruction with Vibrant Community Partnership" (President and CEO InnovateED 313, USA)
- 10.Miss Treenuch Chaowanakritsanakul: "Foster Holistic Learning with a Technology-Integrated Approach"
- 11. Dr. Rizwan Ahmed: "Exploring the Intersection of Cryptocurrency: Digital Currency and Innovation" (University of Kent, UK)





# Research Collaborations and Outcomes

significant highlight А was the announcement of research collaborations between Poland, USA, UK, and Thailand in smart education. Led by Prof. Dr. Tadeusz Wibig (cosmic radiation), Dr. June Teison (place-based education), and Dr. Rizwan Ahmed (cryptocurrency), this effort exemplifies the symposium's role in fostering international partnerships and interdisciplinary research.





### **Conclusion and Future Directions**

The six sessions covered diverse disciplines including Biology, Mathematics, Physics, Marine Science, Education, and Economics. Keynote speakers provided insights on topics such as AI in healthcare, place-based education, cryptocurrency, and cosmic radiation.

The conference emphasized the importance of collaboration in advancing smart education. Future efforts should focus on partnerships between educators, researchers, and industry leaders to develop innovative teaching practices, effective learning technologies, and data-driven strategies. By leveraging technology and strong collaborations, we can ensure education remains relevant and accessible for all learners.

# Seminar MAGNETIC RESONANCE IMAGING



# MAGNETIC RESONANCE IMAGING IN THE ERA OF ARTIFICIAL INTELLIGENCE

**Date:** 29 March 2024 Venue: AD 1206, Walailak University, Thailand **Organized by:** The center of Excellence in Data Science for Health Study (CE-DSHS)

# **Executive Summary**

The seminar "Magnetic Resonance Imaging (MRI) in the Era of Artificial Intelligence (AI)" hosted by the Center of Excellence in Data Science for Health Study (CE-DSHS) at Walailak University, Thailand, explored AI's role in enhancing MRI technologies. The event attracted students and faculty, providing an overview of AI applications MRI, in and delving into the physical and mathematical principles of MRI. The sessions highlighted AI's role in improving image analysis, sparking enthusiastic participation and discussions, and setting the stage for future research initiatives in this interdisciplinary field.



# **Key Highlight**

Dr. Uten Yarach, a lecturer and researcher Radiologic in Technology at Chiang Mai University, Thailand, was the invited speaker. Dr. Yarach, ducated at Chiang Mai University and Otto-von-Guericke University in Germany, has significantly advanced MRI through AI applications.

His research on MRI data analysis, motion correction, and image reconstruction, conducted at Mayo Clinic and Stanford University, has led to innovative findings published in top-tier journals. Dr. Yarach's expertise and leadership in MRI technology made his insights invaluable to the seminar's success.

Magnetic Resonance Imaging in the Era of Artificial Intelligence

# **Executive Summary**

"Magnetic The seminar Resonance Imaging (MRI) in the Era of Artificial Intelligence (AI)" hosted bv the Center of Excellence in Data Science for Health Study (CE-DSHS) at Walailak University, Thailand, explored AI's role in enhancing MRI technologies. The event attracted students and faculty, providing an overview of AI applications in MRI, and delving into the physical and mathematical principles of MRI. The sessions highlighted AI's role in improving image analysis, sparking enthusiastic participation and discussions, and setting the stage for future research initiatives in this interdisciplinary field.



r. Uten Yarach en of Rodiological Technology F Associated Medical Sciences, Chiong Mai University

Guest panels

# MRI data **Conclusion and Future** ection, and **Directions**

The seminar marked a milestone in merging medical technology and data science, showcasing AI's transformative potential in MRI. The discussions underscored AI's role in improving diagnostic accuracy and patient care. Moving forward, Walailak University is positioned to lead initiatives exploring AI integration in MRI. Future directions include developing sophisticated AI algorithms for image analysis, exploring AI in other medical imaging areas, and expanding educational programs for future technologists and researchers. Practical applications in the University's hospital could enhance patient outcomes through better diagnostics. Strengthening partnerships with global technology firms and academic institutions is anticipated, leveraging AI for broader medical applications.



# Webinar

DATE: 28 MARCH 2024

# Future Foods: Trends & Impacts

Venue: Online via Zoom meeting Organized by: Food Technology and Innovation Center of Excellence and School of Agricultural Technology and Food Industry



# Executive Summary

The webinar "Future Foods: Trends & Impacts" gave a chance for international food technologists and scientists in fields relevant from academia. government, and the food industry to stay up to date on recent advances in food research and innovation. Highlighting significant developments in food research and innovation with an emphasis on their trends and impacts on a sustainable future was the aim of the webinar. The renowned experts in the field presented their study, which focused on food processing innovation, food safety, and food bioactivities. The webinar can be used to connect participants and presenters and establish networking opportunities.

# Participants

The webinar attracted 60 participants, including graduate students, postdocs, researchers, lecturers, and industry professionals from 11 countries, including Thailand, Malaysia, New Zealand, Philippines, Indonesia, Vietnam, Ghana, India, Singapore, Bangladesh, and Pakistan.



# Key Highlights

Dr. Nurul Hawa Ahmad of the Department of Food Science, Faculty of Food Science and Technology, Institute of Tropical Agriculture and Food Security (ITAFoS), Universiti Putra Malaysia, delivered a talk on "Salmonella Survival Kinetics in Plant-Based Products". She allowed the participants to examine the most recent trend in the worldwide market for plantbased products before focusing on the safety concerns surrounding plant-based product manufacturing.

Prof. Dr. Jaspreet Singh from Massey University's School of Food & Advanced Zealand offered Technology, New a presentation titled "Sustainable Food Processing: Role of Innovative Technologies". He emphasized food processing innovation as a means of producing food sustainably. He also demonstrated novel hybrid meat production and 3D printing for plantbased food manufacturing.

Dr. Nilesh Prakash Nirmal of Mahidol University's Institute of Nutrition in Thailand delivered a talk entitled "Functional Food: Future Trend and Impact". He focused on the concept of functional food ingredients and functional foods, followed by the use of food byproducts to manufacture functional ingredients. The green extraction process and the use of the extracts in food products were then presented. He concluded with the health benefits of those bioactive compounds in the final part.



All of the keynote speakers are now our research partners, with plans to publish research articles, collaborate on grant proposals, and serve as co-advisors to graduate students. They also agreed to be our guest lecturer for both undergraduate and graduate students in the future.



Conclusion and Future Directions

The webinar "Future Foods: Trends & Impacts" successfully demonstrated the need of food innovation in addressing global food production security and sustainability. The speakers' experiences as a well-known researcher and top-level executive provided during the event were a very unique contribution to the webinar. The Q&A session allowed participants to solidify their ideas before sharing them with the experts. which led to potential future conversations and research collaborations. The Food Technology and Innovation Center of Excellence, in collaboration with the School of Agricultural Technology and Food Industry, will continue to host annual webinar series on food science and innovation, with a specific theme provided by renowned experts in the field.





# Webinar Updates in Antimalarial Drug Resistance and Antimalarial Drug Discovery from Medicinal Plants



**OUR SPEAKERS** 



Mathirut Mungthin M.D., Ph.D. Department of Pharmacology. Phramongkutklao College of Medicine, Bangkok, Thailand



School of Health Sciences University Sains Malaysia Kelantan, Malaysia



Guercus Infectoria Gall and its Active Metabolites: a Natural Alternative Source for Malaria Treatment Date: 28 March 2024, 1:30 – 3:30 pm Venue: Zoom Meeting Organized by: the Research Center in Tropical Pathobiology and School of Medicine



### **Executive Summary:**

This webinar delves into critical updates surrounding antimalarial drug resistance and promising avenues of antimalarial drug discovery through medicinal plants. Malaria, a persistent global health challenge, demands continuous innovation in combating drug resistance and exploring alternative treatment sources. The session begins with an overview of the current landscape of antimalarial drug resistance, highlighting emerging trends, challenges, and implications for public health strategies. By examining recent research findings and epidemiological data, the webinar underscores the urgency of addressing drug resistance to preserve the efficacy of existing treatments. Moreover, the webinar sheds light on exciting advancements in antimalarial drug discovery from medicinal plants. Drawing upon interdisciplinary research efforts, participants gain insights into the potential of natural compounds to serve as effective antimalarial agents. Through case studies and scientific evidence, the webinar showcases the rich pharmacological diversity found in medicinal plants and their significance in the quest for new antimalarial therapies.

### Key Highlights

Two expert speakers shared their Colonel research on malaria. Professor Dr. Mathirut Mungthin from Phramongkutklao College of Medicine discussed "Antimalarial Drug Resistance," emphasizing the need to address resistance to maintain treatment effectiveness. Dr. Nurhidanatasha Abu Bakar from Universiti Sains Malaysia presented "Unlocking the Antimalarial on Potential of Quercus infectoria Gall Active and lts Metabolites," highlighting methods for identifying bioactive compounds and optimizing their therapeutic efficacy.

The webinar also stressed sustainable medicinal plant use and conservation in drug discovery.



### Research Collaborations and Outcomes

The webinar facilitated impactful research collaborations and significant advancements in the fight against malaria. By bringing together researchers, institutions, and stakeholders, the event fostered an exchange of knowledge, resources, and expertise. This interdisciplinary collaboration is crucial for tackling the complex challenges in malaria research. The shared insights and discussions have laid the groundwork for future joint projects, enhancing for the potential breakthroughs antimalarial in drug development and resistance management. Overall, the webinar has strengthened the global research community's ability to address malaria through a united and multifaceted approach



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### **Conclusion and Future Directions**

The webinar has provided valuable insights and sparked collaborative efforts to address the challenges posed by malaria. Through the exchange of knowledge, research findings, and best practices, participants have gained a deeper understanding of antimalarial drug resistance mechanisms and the potential of medicinal plants in drug discovery. Collaboration across disciplines, including pharmacology, botany, chemistry, and molecular biology, is crucial for advancing antimalarial drug discovery from medicinal plants.

# International conference COMMUNICATING IN

# MULTICULTURAL SOCIETY AND TRANSITIONAL WORLDS

**Date:** 28 March 2024 Venue: AB5, Walailak University, Thailand **Organized by:** Center of Excellence on Women and Social Security

# **Executive Summary**

The conference "Communicating Multicultural Society in and Transitional World" explores communication dynamics in a globalized society, emphasizing understanding cultural and transitions. navigating Kev objectives include sharing insights, fostering knowledge exchange within Thailand and Southeast Asia, and promoting unity amidst diversity. Highlights include keynote speeches by Dr. Chingduang Yurayong on language structure in multicultural societies and Dr. Lucas Kohnke on generative AL and language education. special panel will discuss А language and culture dynamics in a transitional world. Gratitude is extended to professors providing feedback, and Assoc.Prof.Dr.Surin Maisrikrod will deliver the opening remarks.



# Participants

- Attendees are 83 people
- Six papers were presented at the conference.
- Guest speaker
  - Dr.Chingduang Yurayong, University of Helsinki, Finland
  - Asst.Prof.Dr.Acharawan Buripakdi, School of Foreign languages, Institute of Social Technology, Suranaree University of Technology
  - Assoc.Prof.Dr.Sophana Srichampa, Asian Language and Culture Research Institute Mahidol University, Thailand
  - Dr.He Hui, College of Foreign Studies, Guangxi Normal University, China
  - Dr.Lucas Kohnke, The Education University of Hong Kong,
  - Asst.Prof.Dr.Amporn Marddent (Thammasat University)
  - Asst. Prof. Dr. Budi Waluyo (Walailak University)
  - Dr. Orathai Chinakarapong, and Dr.Sutthiphod
     Phiranawong (Naresuan University, Thailand).



Research Collaborations and Outcomes:

- Disseminated knowledge on communication in multicultural and transitional societies, highlighting its relevance to current global issues and fostering academic awareness.
- Facilitated exchanges in Thailand and Southeast Asia within international academic networks, promoting further cooperation.



and

Conclusion Directions:

- Future
- Conclusion: The conference addressed communication complexities in a globalized world, covering topics like language dynamics in multicultural societies and AI in education. It also fostered academic collaboration and awareness.
- Future Directions: Continued research and collaboration are essential for tackling communication challenges in diverse societies. Efforts to disseminate knowledge and raise awareness will help create inclusive environments and drive positive social change.

NANK UJONI

**Advisor:** Assoc. Prof. Dr. Siwarit Pongsakornrungsilp Vice-President of Walailak University

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