



KMO & LTEC 2023

TOWARDS A BRIGHTER FUTURE

KMO & LTEC 2023 International Conference

Schedule

Date/Time		Session Title	
July 24, 2023 Monday	08:30~	Registration (open during the conference)	
	09:00-12:00	Tutorial I	
	12:00-13:30	Lunch	
	13:30-16:30	Tutorial II	
July 25, 2023 Tuesday	09:00-09:20	Opening Ceremony	
	09:20-10:20	Keynote I	
	10:20-10:50	Coffee Break	
	10:50-12:10	KMO Session 1	LTEC Session 1
	12:10-13:30	Lunch	
	13:30-14:50	KMO Session 2	LTEC Session 2
	14:50-15:20	Coffee Break	
	15:20-16:40	KMO Session 3	LTEC Session 3
	18:00-20:00	Welcome Dinner	
July 26, 2023 Wednesday	09:20-10:20	Keynote II	
	10:20-10:50	Coffee Break	
	10:50-12:10	KMO Session 4	LTEC Session 4
	12:10-13:30	Lunch	
	13:30-14:50	KMO Session 5	LTEC Session 5
	14:50-15:20	Coffee Break	
	15:20-16:40	KMO Session 6	LTEC Session 6
	17:45~22:30	Chaophraya River Cruise and Conference Dinner Meet:17:45 Boarding:19:30 Return:21:30	

July 27, 2023 Thursday	09:20–10:20	Keynote III	
	10:20–10:50	Coffee Break	
	10:50–12:10	KMO Session 7	LTEC Session 7
	12:10-13:30	Lunch	
	13:30-14:50	KMO Session 8	KMO Session 9
	14:50–15:20	Closing Ceremony & Presentation KMO/LTEC 2024	
July 28, 2023 Friday	06:30–19:00	Day trip to floating market	

Day 1 – July 24, 2023 (Monday)

Registration

Time: from 8:30 (open during the conference)

Room: 3rd Floor of Building 14

Be welcomed and get your name badge and goodie bag!

Tutorial I

Time: 09:00–12:00

Room: 14-310BS

Chair: Prof. Dario Liberona

Successful practices on distant knowledge assessment: Approaches, Tools, and Future Trends

Luka Pavlič, Tina Beranič, Marjan Heričko

University of Maribor, Faculty of Electrical Engineering and Computer Science, Slovenia

Tutorial II

Time: 13:30–16:30

Room: 14-310BS

Chair: Prof. Derrick I-Hsien Ting

Ultimate knowledge management and transfer with OKMindmap: Achieving communicative, collaborative, creative, and critical knowledge processing and managing

Won Ho

Professor, Kongju National University, Korea

Day 2 – July 25, 2023 (Tuesday)

Opening Ceremony

Time: 09:00–09:20

Room: 14-310BS

Prof. Lorna Uden

Keynote I

Time: 09:20–10:20

Room: 14-310BS

Chair: Prof. Lorna Uden

Empowering Digital Transformation for a Sustainability and Lifelong Learning in an Uncertain Post Covid Era

Jintavee Khlaisang

Professor, Chulalongkorn University, Thailand

KMO Session 1

Time: 10:50–12:10

Room: 14-301BS

Chair: Dr. Magdalena Marczevska

Startups Knowledge Sharing Through Entrepreneurial Networks and The Catalytic Role of Incubators

Roberta Dutra de Andrade and Paulo Gonçalves Pinheiro

Exploring the startups' paths for knowledge sharing in an emerging economy: a multilevel analysis

Roberta Dutra de Andrade and Paulo Gonçalves Pinheiro

Cybersecurity Management in micro, small, and medium enterprises in Colombia (Virtual Presentation)

Flor Nancy Díaz-Piraquive, Yasser de Jesús Muriel-Perea, Rubén González-Crespo

Dealing with Dark Data – Shining a Light

Graham Gordon Chant

LTEC Session 1

Time: 10:50–12:10

Room: 14-302BS

Chair: Dr. Marian Hericko

Gamification Based on Disaster Education in Reducing Disaster Risk for Students in Disaster Prone Areas

Fajar Wulandari, Budijanto Budijanto, Syamsul Bachri and Dwiyono Hari Utomo

QRdice: QR-based Gamification Tool to Gamify Formative Assessment

Mohamad Firdaus Che Abdul Rani and Vinothini Kasinathan

Virtual campuses with social learning environments: a future alternative for traditional campuses

Dario Liberona, Aravind Kumarasen, Lionel Valenzuela, Giovanni Tarazona

An Interoperable License Management Component for Educational Content

The-Anh Nguyen, Christopher Krauss, Truong-Sinh An, Boris Heithecker, Patrick Neiss

KMO Session 2

Time: 13:30–14:50

Room: 14-301BS

Chair: Dr. Luka Pavlič

Exploring the Context with Factors of Cloud Computing to Digital Transformation and Innovation

Ju-Chuan Wu, Shu-Mei Lee and Chih-Jou Chen

What is the Impact of Employees' Knowledge and Competencies on Building Sustainable Businesses? A Responsible Knowledge Management Perspective

Raysa Geaquinto Rocha, Arminda do Paço, Helena Alves and Cristina Dias-Cabral

The Success of Business Transformation and Knowledge Management

Eric K. W. Lau

Telework Experience and Frequency, and Knowledge Management during COVID-19 in Japan (Virtual Presentation)

Remy Magnier-Watanabe

LTEC Session 2

Time: 13:30–14:50

Room: 14-302BS

Chair: Dr. Dario Liberona

Virtual Lab Workspace for Programming Computers – Towards Agile STEM Education (Virtual Presentation)

Paul Horng-Jyh Wu, Casey Kiam Cheng How, Bryan Yong Tah Lim, Hong Lie Toh,

Best-of-Breed: Service-Oriented Integration of Artificial Intelligence in Interoperable Educational Ecosystems

Christopher Krauss, Alexander Streicher, Eva Poxleitner, Daniela Altun, Joanna Mueller, Truong-Sinh An

Learning Loss Factors Dominance in Elementary School students: Online learning in Indonesia

Andi Mursidi, Dina Anika Marhayani, Eka Murdani, Emi

Model Concept Sentence Learning Based on Multiethnic Daycare to Facilitate the Translation Ability Mathematical Representations of Junior High School Students

Mariyam Mariyam, Rika Wahyuni, Nindy Citroesmi

KMO Session 3

Time: 15:20–16:40

Room: 14-301BS

Chair: Dr. Yun Wang

Study on the impact of the telework on the employee's productivity improvement and its business performance -Based on a case analysis of a major Japanese IT company-

Akira KAMOSHIDA, Toru Fujii and Yu Yating

National innovation systems, knowledge resources and international competitiveness

Magdalena Marczewska and Marzenna Anna Weresa

Knowledge sharing during natural disasters: key characteristics of social media enablement (Virtual Presentation)

Naomi Naidoo, Hanlie Smuts

Perception and Sentiment Analysis: Information Processing on Social Media

Nitin Singh

LTEC Session 3

Time: 15:20–16:40

Room: 14-302BS

Chair: FAUZIAH BINTI SULAIMAN

Pawai Budaya as a source of peace education in SingKawang city

Wasis Suprpto, Dodik Kariadi, Zulfahita Zulfahita

Educational Assessment Design for Web Programming Module to Create Awareness on Sustainability Development Goals among Information Technology Undergraduate Students

Mohamad Firdaus Che Abdul Rani and Vinothini Kasinathan

A Curriculum Framework for Introducing Hackathons in Engineering Studies

Saša Brdnik, Jozsef Györkös, Saša Kuhar & Muhamed Turkanović

CIRC Model based on Audiovisual Local Wisdom on Ability to Write Malay Pantun

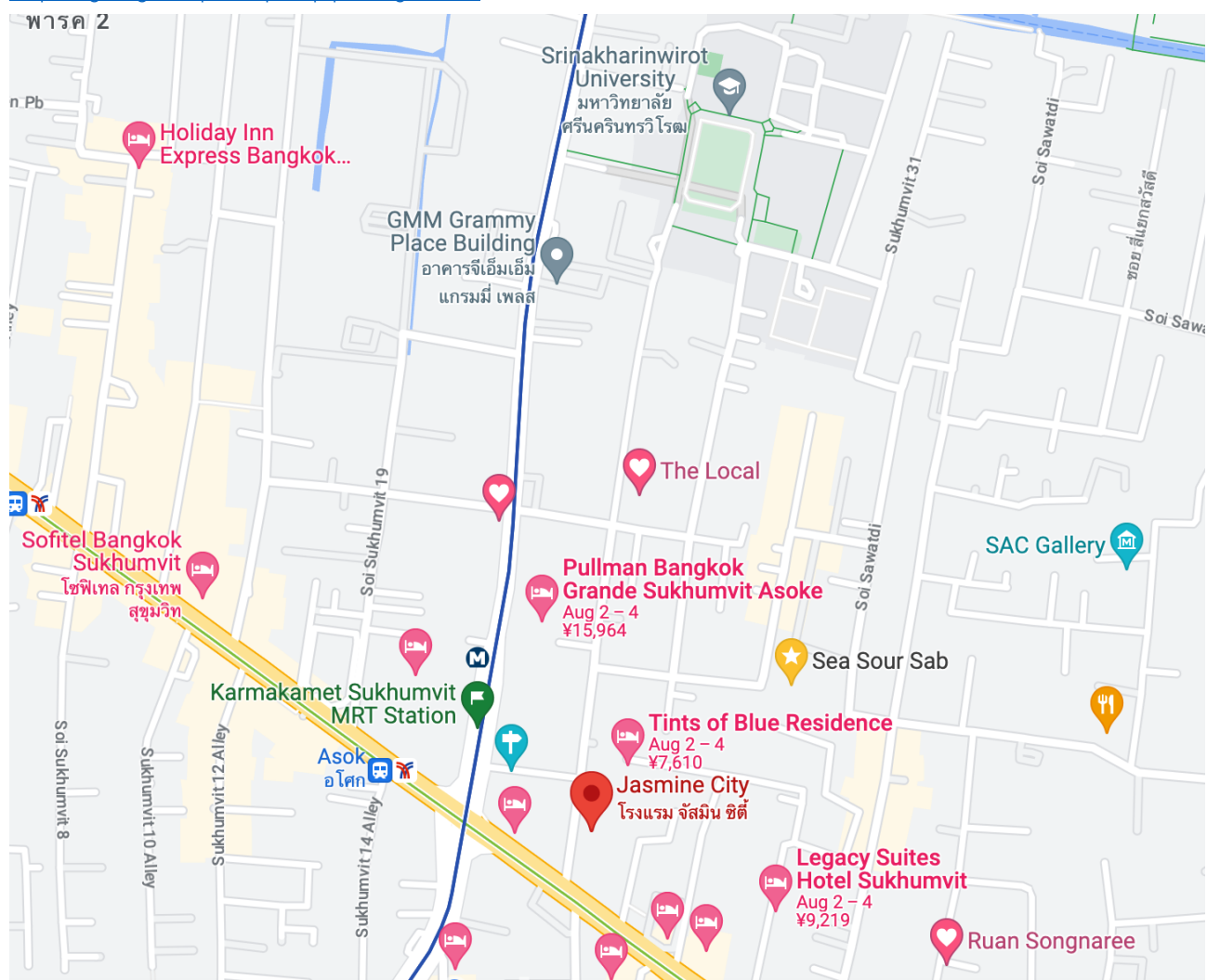
Gunta Wirawan, Eti Sunarsih, Susan Neni Triani, Sri

Social: Welcome Dinner

Time: 18:00–19:00

Meeting Point: Sakura Floor L, Jasmine City Hotel Bangkok

<https://goo.gl/maps/uBp6zqiqGWGg4fMR9>



Day 3 – July 26, 2023 (Wednesday)

Keynote II

Time: 09:20–10:20

Room: 14-310BS

Chair: Prof. Lorna Uden

Knowledge Management Essentials: Reflections on the Discipline and Outlook to the Future

Prof. Dr.-Ing. Peter Heisig

Professor, University of Applied Science Potsdam, Germany

KMO Session 4

Time: 10:50–12:10

Room: 14-301BS

Chair: Dr. Akira Kamoshida

Knowledge Gaps Implementing Electronic Content Management in the Third Sector

Ejovwoke Onojeharho, Thomas Jackson, Lisa Jackson, Corneliu Cotet

Social Network Analysis to Accelerate for R&D of New Material Development

Hideki Hayashida, Hiroki Funashima

Global Megatrends and Global GDP in 2004-2021: An Empirical Big Data Look at John Naisbitt's 12 Key Global Megatrend Variables and Global GDP PPP

Jari Kaivo-oja and Teemu Santonen

Corruption Control in the BRICS and in the G7 Countries: A Benchmarking Study with World Bank Data Files from Years 1996-2021

Jari Kaivo-oja and Teemu Santonen

LTEC Session 4

Time: 10:50–12:10

Room: 14-302BS

Chair: Dr. Eric Lau

A Self-Diagnosis Medical Chatbot for H5N1 Virus

Vinothini Kasinathan and Aida Mustapha

Science to Life: User Experience in Children Science Book with Augmented Reality (AR)

Vinothini Kasinathan, Aida Mustapha and Aida Zamnah Zainal Abidin

The Effectiveness of Integrated Online Problem-Based Learning (iON-PBL) Physics Module on Pre-university Students' Motivation and Problem-Solving Skills

Fauziah Sulaiman, Elnethra Folly Eldy and Mohd Zaki Ishak, Lorna Uden, Jo Ann Shek

Knowledge Management Model in Virtual Classrooms to Measure Learning through Gaming

Víctor Hugo Medina García, Dario Liberona, Valentina Pulido Díaz, B. Cristina Pelayo

KMO Session 5

Time: 13:30–14:50

Room: 14-301BS

Chair: Dr. Tom Jackson

Doctoral Program in Computer Science: a study of demand and employability in Ecuador

Fernando Molina-Granja, Lida Barba Maggi, Lorena Molina Valdiviezo

Developing an Effective ICT Strategic Framework for Higher Education Institutions: A Case of Mataram University

Surya Sumarni Hussein, Muhamad Wisnu Alfiansyah, Rohaizan Daud, Suraya Ya'acob and Anitawati Mohd Lokman

Peer Online Training (POT) as Learning Activity in Computer Security Audit and Risks Management Teaching Module (Virtual Presentation)

Rabiah Ahmad, Aslinda Hassan, Lee Hwee Hsiung and Mohd Fadzin Othman

Distance Learning Technology Acceptance, a case of Ph.D. students' experiences post COVID (Virtual Presentation)

Nour Mattour and Souad Kamoun-Chouk

LTEC Session 5

Time: 13:30–14:50

Room: 14-302BS

Chair: Dr. Victor Hugo Medina

The students' perspective on assessment pattern catalog for a distant education

Tina Beranič, Luka Pavlič, Lucija Brezočnik and Marjan Heričko

A Study on Requirements for High School Teachers in Japan Based on the Regional Factors

Kenji Kido and Masakazu Takahashi

Applying A Combination Model of Knowledge Management and Visitor Relationship Management in The Study of The Visitors of Historical Museum

Mei-Yun Hsu and I-Hsien Ting

Influence of Using Electronic Textbooks and Language Immersion Teaching on Primary School Students' Interest in English Language Learning

Hui-Min Lai, Pi-Jung Hsieh and Chia-Ching Hsu

KMO Session 6

Time: 15:20–16:40

Room: 14-301BS

Chair: Dr. I-Hsien Ting

Development of a Knowledge Transfer Model for family-owned SMEs (Virtual Presentation)

Alina Nagl, Christian Ploder, Thomas Dilger, and Stephan Schlögl

Development and Validation of a Knowledge Audit Framework for SMEs (Virtual Presentation)

Arno Rottensteiner, Christian Ploder, Thomas Fritz, and Reinhard Bernsteiner

The Use of No-code Platforms in Startups (Virtual Presentation)

Sebastian Brühl, Reinhard Bernsteiner, Christian Ploder, Thomas Dilger, Teresa Spiess

*Educ-AI-ted - Investigating Educators' Perspectives Concerning the Use of AI in University Teaching and Learning
(Virtual Presentation)*

Rebecca Tritscher, Johanna Röck and Stephan Schlögl

LTEC Session 6 – Online Session

Time: 15:20–16:40

Room: 14-302BS

Chair: Foteini Paraskeva

A Smart Pedagogical Framework Facilitated by Web Technologies for ICT Students' Motivation

Vasiliki Karampa and Foteini Paraskeva

Lessons Learned: Measurement of the impact of Covid-19 post-pandemic

Roberto Ferro, Laura Bohórquez and Juan Manuel Cueva Lovelle

Online examination – a case study (Virtual Presentation)

Viktorija Florjancic

Can Ethnic Differences in Television Watching and Physical Activity in UK Adults Affect Diabetics? (Virtual Presentation)

Uduakobong Ayoade, Nnenna Joy Eze

Social: Chaophraya River Cruise and Conference Dinner

Meeting Time: 17:45

Meeting Point: In Front of Starbucks Coffee of Building 32, SWU

Day 4 – July 27, 2023 (Thursday)

Keynote III

Time: 09:20–10:20

Room: 14-310BS

Chair: Prof. Lorna Uden

KM 4.0: The impact of Industry 4.0 on KM practices and KM systems

Eric Tsui

Professor, The Hong Kong Polytechnic University, Hong Kong

KMO Session 7

Time: 10:50–12:10

Room: 14-301BS

Chair: Prof. Fu-Ren Lin

Software Sustainability Requirements for Knowledge Management Systems in the Cultural Heritage Domain

Tjaša Heričko, Marjan Heričko, and Saša Brdnik

The Assessment of Online Games' Cyber Security Awareness Level Based on Knowledge, Attitudes, and Behaviour Model

Juliana Zolkiffli, Nur Azaliah Abu Bakar, Suraya Ya'acob, Hasimi Salehuddin, and Surya Sumarni Hussien

Innovations in future crime decision making through the codification of temporal expert knowledge

Elliott MacCallum; Lisa Jackson; John Coxhead; Tom Jackson

Optimal Controller Selection Scheme using Artificial Bee Colony and Apriori algorithms in SDN

Kyung Tae Kim

LTEC Session 7

Time: 10:50–12:10

Room: 14-302BS

Chair: Dr. Dario Liberona

How Teaching Quality and Students' Academic Emotions Influence University Students' Learning Effectiveness

Yun Wang

An analysis of online fatigue, problematic internet use, and perceived learning effectiveness among high school students in the Philippines

Gregory Ching and Jenny Lynn Gungon

The Planning and Practice of Online Philosophy Courses

Din-Yuang Huang

KMO Session 8

Time: 13:30–14:50

Room: 14-301BS

Chair: Dr. Vinothini Kasinathan

Add-BiGAN: An Add-based Bidirectional Generative Adversarial Networks for Intrusion Detection(Virtual Presentation)

Qilun Sun, Ran Tao, Youqun Shi, Xia Shang

Washroom Occupancy Tracking and Hygiene Monitoring System Using IoT in Universities

Vinothini Kasinathan, Aida Mustapha, Kallychurn Dooshyant Rai, and Tham Hoong Ching

Experience-based Knowledge Management with a Conversational AI Chatbot: Taking Hand-Shaken Tea Service in Taiwan as an Example

Yu-Hsuan Wu, Fu-Ren Lin

Implementation of Quality Management Tools and Process-Based Management in Commercializing Organizations of Orthopaedic Devices in Colombia

Mayra Samara Ordoñez-Díaz and Ivanhoe Rozo-Rojas

KMO Session 9

Time: 13:30–14:50

Room: 14-301BS

Chair: Dr. Gregory S. Ching

Theoretical Model of New Ways of Knowledge Creation and their Impact on Exploratory and Exploitative Innovation

Thomas Jackson, Lisa Jackson, Matthew Day

Potential Role of ChatGPT in Healthcare in the Prevention and Management of Non-Communicable Diseases

Aravind Kumaresan, Lorna Uden and Shazad Ashraf

The Role of Tacit Knowledge for Enhanced Quality Service Delivery in Organizations (Virtual Presentation)

Rexwhite Tega Enakrire and Hanlie Smuts

Closing Ceremony & Presentation of KMO/LTEC 2024

Time: 14:50–15:20

Room: 14-310BS

Prof. Lorna Uden

Prof. Dario Liberona

Best Papers / Presentations Awards

Presentation of Next Venue KMO/LTEC 2024

Day 5 – July 28, 2023 (Friday)

Social: Day Trip to Floating Market

Time: 6:30–19:00

Meeting Point: In Front of Starbucks Coffee of Building 32, SWU

Social Activities

During Conference Days

Coffee and Lunch Breaks

Coffee and lunch breaks can be taken on the conference site at a room (Room: 14-306BS) to be announced. We will supply assorted pastries for coffee breaks and hot lunches, including vegetarian options. Hot drinks and non-alcoholic beverages will be available all day.

Tuesday, July 25, 2023, 18:00 – 19:00,

Welcome Dinner

Sakura Floor L, Jasmine City Hotel, Bangkok

Wednesday, July 26, 2023, meeting at 17:45

Conference Dinner, Chaophraya River Cruise

In Front of Starbucks Coffee of Building 32, SWU

Friday, July 28, 2023, 8:00 – 18:00, SWU

A Day Trip to Floating Marketing

One day trip Floating Market – Umbrella Market

06.30 Greet and meet at Srinakharinwirot University

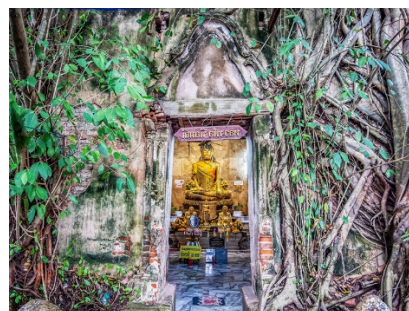
07.00 Depart for Umbrella Market to visit local life and local market and Visit Phet Samut Worawihan Temple which was built in Ayuthaya Period (if the trip arrives to match with train schedule, it would be nice to see the moment of umbrella market.)

Proceed to Floating market by coach, experience with rolling boat (6 people / boat) to see local life and atmosphere of floating market and visit house of coconut. You can see the product from coconut such as sugar, coconut syrup, and product from coconut shell ext.

Lunch at local restaurant

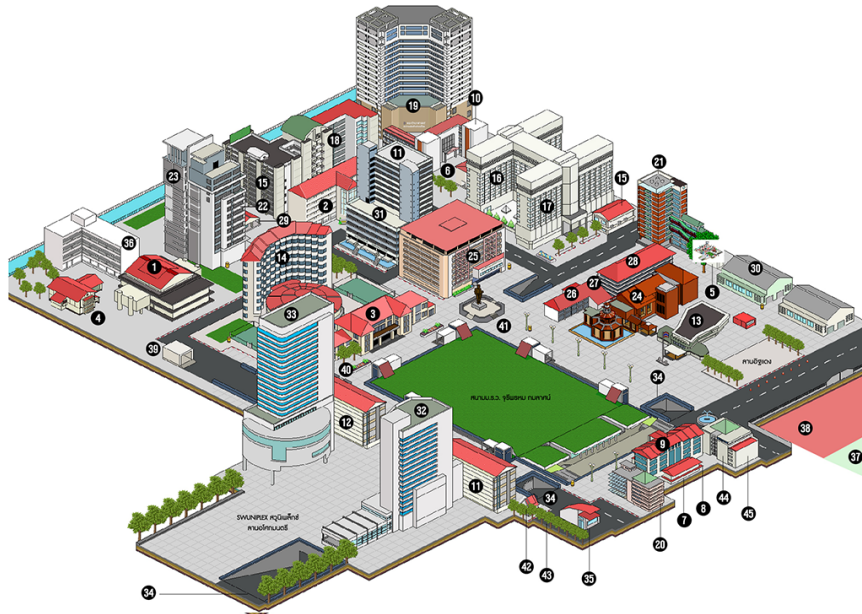
Afternoon Visit Bangkok Temple, temple which was built since Ayuthaya period and was abandoned till covered by tree and become one of Amazing area in Thailand.

Depart to Bangkok



Campus Map of SWU

(Conference Venue is in the 3rd Floor of Building 14)



1. อาคาร 1 คณะแพทยศาสตร์
2. อาคาร 2 อาคารคณะมนุษยศาสตร์
3. อาคาร 3 อาคารประสมมิตร
4. อาคาร 4 บ้านศาสตราจารย์ ดร.สาริษฐ์ บัวศรี
5. อาคาร 5 บ้าน ม.ร.ว.จุฬารัตน์ กมลาสน์ (วิทยาลัยโพธิวิชชาลัย)
6. อาคาร 6 อาคารศูนย์วิทยาศาสตร์ศึกษา
7. อาคาร 7 อาคารพัฒนาศึกษาภาพ 1
8. อาคาร 8 อาคารพัฒนาศึกษาภาพ 2
9. อาคาร 9 อาคารสำนักงานอธิการบดี
10. อาคาร 10 อาคารคณะวิทยาศาสตร์ 1
11. อาคาร 11 อาคารคณะสังคมศาสตร์
12. อาคาร 12 อาคารคณะศึกษาศาสตร์
13. อาคาร 13 อาคารหอประชุมใหญ่
14. อาคาร 14 อาคารอเนกประสงค์ เทา - แดง
15. อาคาร 15 อาคารพรีคลินิก
16. อาคาร 16 อาคารคณะศิลปกรรมศาสตร์
17. อาคาร 17 อาคารคณะทันตแพทยศาสตร์
18. อาคาร 18 อาคารกายวิภาคศาสตร์
19. อาคาร 19 อาคารคณะวิทยาศาสตร์ 2
20. อาคาร 20 อาคารบัณฑิตวิทยาลัย
21. อาคาร 21 อาคารวิทยาลัยนานาชาติเพื่อศึกษาความยั่งยืน
22. อาคาร 22 อาคารคณะมนุษยศาสตร์
23. อาคาร 23 อาคารวิทยาลัยนวัตกรรมสื่อสารสังคม
24. อาคาร 24 อาคารวิจัยและการศึกษาต่อเนื่อง
สมเด็จพระรัตนราชสุดาฯ สยามบรมราชกุมารี
25. อาคาร 25 สำนักหอสมุดกลาง
26. อาคาร 26 อาคารสถาบันวิจัยพฤติกรรมศาสตร์
27. อาคาร 27 อาคารพัฒนาศึกษาภาพนิสิต
28. อาคาร 28 อาคารสำนักทดสอบทางการศึกษาและจิตวิทยา
29. อาคาร 29 อาคารโภชนาการพิเศษ
30. อาคาร 30 อาคารโภชนาการสีเขียว (โรงอาหาร)
31. อาคาร 31 อาคารเรียนรวม หอวงศวิดิศาสตรแพทย์
32. อาคาร 32 อาคาร บริการ : ศาสตราจารย์ ม.ล.ปิ่น มาลากุล
33. อาคาร 33 อาคารนวัตกรรม : ศาสตราจารย์ ดร.สาริษฐ์ บัวศรี
34. อาคาร 34 อาคารจอดรถใต้ดิน มคอ 60 ปี
และสนาม ม.ร.ว.จุฬารัตน์ กมลาสน์
35. อาคาร 35 อาคารศูนย์สารสนเทศและการประชาสัมพันธ์
36. อาคาร 36 หอพักเชอโรน
37. อาคาร 37 กลุ่มอาคาร โรงเรียนสาธิต มคอ ประสมมิตร (ฝ่ายประถม)
38. อาคาร 38 กลุ่มอาคาร โรงเรียนสาธิต มคอ ประสมมิตร (ฝ่ายมัธยม)
39. อาคาร 39 อาคารสวช-สวอ
40. อนุสาวรีย์ ศาสตราจารย์ ดร.สาริษฐ์ บัวศรี
41. อนุสาวรีย์ ศาสตราจารย์ ม.ล.ปิ่น มาลากุล
42. หอพระ
43. ศาลพระภูมิ
44. สหกรณ์ออมทรัพย์ มคอ
45. สถานบริการทางการแพทย์ มคอ

1. Building 1 Physical Education Building
2. Building 2 Faculty of Humanities Building
3. Building 3 Prasannmitr Building
4. Building 4 Professor Dr. Saroj Buasri Residence
5. Building 5 MR. Jueebrahma Kamalasana's Residence (College of Bhodivijalaya)
6. Building 6 Science Education Center Building
7. Building 7 Physical Development Building 1
8. Building 8 Physical Development Building 2
9. Building 9 Office of the President Building
10. Building 10 Faculty of Science Building 1
11. Building 11 Faculty of Social Sciences Building
12. Building 12 Faculty of Education Building
13. Building 13 Auditorium Building
14. Building 14 Thao - Daeng Multi-purpose Building
15. Building 15 Pre-clinic Medicine Building
16. Building 16 Faculty of Fine Arts Building
17. Building 17 Faculty of Dentistry Building
18. Building 18 Anatomy Building
19. Building 19 Faculty of Science Building 2
20. Building 20 Graduate School Building
21. Building 21 International College for Sustainability Studies Building
22. Building 22 Faculty of Humanities Building
23. Building 23 College of Social Communication Innovation Building
24. Building 24 H.R.H. Princess Maha Chakri Sirindhorn Research and Continuing Education Building
25. Building 25 Central Library
26. Building 26 Behavioral Science Research Institute Building
27. Building 27 Student Development Building
28. Building 28 Educational and Psychological Test Bureau Building
29. Building 29 Saen Saeb Cafeteria
30. Building 30 Cafeteria
31. Building 31 Luang Sawasdisaratrabuddhi Learning Tower
32. Building 32 Professor M.L. Pin Malakul SWU Services Building
33. Building 33 Professor Dr. Saroj Buasri SWU Innovation Building
34. Building 34 SWU 60th Year Anniversary Underground Parking Lot Building and MR. Jueebrahma Kamalasana Field
35. Building 35 Center for Information and Public Relations Building
36. Building 36 Pet Nai Tom Students Dormitory
37. Building 37 SWU Prasannmitr Demonstration School (Elementary) Buildings
38. Building 38 SWU Prasannmitr Demonstration School (Secondary) Buildings
39. Building 39 Suay Sa-ard Building
40. Statue Professor Dr. Saroj Buasri
41. Statue M.L. Pin Malakul
42. Buddha Shrine
43. Spirit House
44. Swu Thrift and Credit Cooperative Ltd
45. Swu Clinic