

Tentative Schedule
THE 3rd TRILATERAL SYMPOSIUM on Sustainability
(Strategies for Climate Action and Mitigation of Climate Change Impacts)



August 27th , 2024 (Day 1): Kantary Hills Hotel

11:30 AM - 12:00 PM

Registration

Doi Luang & Doi Nang Room

12:00 PM - 01:00 PM

Lunch

Nimman Bar and Grill & Party Room

Opening Ceremony & Keynote Lecture:

01:00 PM - 01:40 PM

Opening

Ceremony

01:00 PM - 01:10 PM

Symposium Report by Vice-president of CMU

Assoc. Prof. Dr. Winita Punyodom

01:10 PM - 01:20 PM

Opening Address by President of KU

Prof. Dr. Natsuo Ueda

01:20 PM - 01:30 PM

Opening Address by Vice-president of NCYU

Prof. Dr. Chun-Hsien Chang

01:30 PM - 01:40 PM

Opening Address by President of CMU

Prof. Dr. Pongruk Sribanditmongkol, M.D.



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August 27th , 2024 (Day 1): Kantary Hills Hotel

Opening Ceremony & Keynote Lecture: Doi Luang & Doi Nang Room (2nd Floor)

MC: Lect. Dr. Pornchanok Ruengvirayudh

01:40 PM - 02:10 PM

Keynote Lecture 1: Prof. Dr. Toru Terao, Faculty of Education, KU

Title: "Status of Asian Climate Change and Climate Actions in Asian Universities"(What is Occurring in Asia, and What Shall We Do?)

02:10 PM - 02:40 PM

Keynote Lecture 2: Prof. Dr. Wen-Lii Huang, College of Agriculture, NCYU

Title: Establishment of an Integrated Low-carbon Footprint Production System in Rice

02:40 PM - 03:10 PM

Keynote Lecture 3: Assoc. Prof. Dr. Sirichai Koonaphapdeelert, Energy Research and Development Institute-Nakornping, CMU

Title: Chiang Mai University: Towards Carbon Neutrality

Poster Session (Student and Non-student): Front Area of Doi Luang & Doi Nang Room (2nd Floor)

03:10 PM - 04:30 PM

Poster Presentation (to be run in parallel with oral sessions)

(Break served during the session)

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Student Oral Presentation Room 1: Agriculture (7)

Doi Luang (2nd Floor)

Chair: Assistant Professor Dr. Pennapa Jaksomsak (CMU)

Co-chair: Dr. Jakchaiwat Kaweewong (CMU)

03:30 PM – 03:45 PM

Effect of ferritin on nitrogen fixation and growth of *Lotus japonicus* inoculated with *Mesorhizobium loti* and grown under nitrogen-free conditions. by **Ms. Michelle BAFEO (KU)**

03:45 PM – 04:00 PM

Effect of high temperature on flower coloration and pigmentation in *Ranunculus* 'Koharu Temari'.
by **Ms. Yuna KITAMURA (KU)**

04:00 PM – 04:15 PM

Role of cysteinyl-tRNA synthetase in root nodule symbiosis.
by **Ms. Asuka IKUTA (KU)**

04:15 PM – 04:30 PM

Mating pattern and ecology of diving beetle (*Eretes griseus*).
by **Mr. Seita TAKEUCHI (KU)**

04:30 PM – 04:45 PM

Thermal behavior of salt-soluble proteins recovered from cricket muscle.
by **Mr. Takeru FUJITA (KU)**

04:45 PM – 05:00 PM

Analysis of the chemical composition and molecular structure of grains from different rice varieties, and the quality changes during the Storage. by **Mr. Chih-Wei Chu (NCYU)**

05:00 PM – 05:15 PM

Inheritance pattern and high-throughput phenotyping of flower color in periwinkle (*Catharanthus roseus*).
by **Mr. Ting Hsuan Huang (NCYU)**

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Student Oral Presentation Room 2: Chemistry and Engineering (5)

Doi Suthep 1 & 2 Room (1st Floor)

Chair: Professor Dr. Yang Cheng-Cheng (NCYU)

Co-chair: Associate Professor Dr. Ukrit Mankong (CMU)

03:30 PM – 03:45 PM

A novel physical technique to enhance the stability of starch gels against retrogradation using ultra-fine bubbles. by **Mr. Kazuki SHIRAYAMA (KU)**

03:45 PM – 04:00 PM

Effect of the rare sugar D-allulose on the texture properties of sourdough bread.
by **Ms. Haoto KAWABE (KU)**

04:00 PM – 04:15 PM

Downregulation of XRCC3 expression enhances EGCG induced cytotoxicity and growth inhibition in non-small lung adenocarcinoma A549 cells.
by **Ms. Pei-Jung Chen (NCYU)**

04:15 PM – 04:30 PM

Synthesis and Application of Pyrene Derivatives with α -Ketoamide: Roussin's Red Ester as Nitric Oxide Donors. by **Mr. Yu-Chi Liu (NCYU)**

04:30 PM – 04:45 PM

An accurate mango fruit maturity feature estimation using 3D photogrammetry technique.
by **Mr. Yu-Jen Shiau (NCYU)**

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Student Oral Presentation Room 3: Education, Law, Mass Communication, Digital Innovation (10)

Doi Nang Room (2nd Floor)

Chair: Associate Professor TAKAMIZU Toru (KU)

Co-chair: Assistant Professor Worakanya Buranaphatthana, D.D.S., Ph.D (CMU)

03:30 PM – 03:45 PM

The role of primary and secondary education in understanding hansen's disease.
by **Ms.Kaho SHIRAKAWA (KU)**

03:45 PM – 04:00 PM

Background and resources for special education students in rural areas in Taiwan.
by **Ms. Yi-Chia Wu (NCYU)**

04:00 PM – 04:15 PM

The present situation and strategies of special education teachers in rural areas in Taiwan.
by **Ms. Pei-chin Hsueh (NCYU)**

04:15 PM – 04:30 PM

Promoting peace and justice: A comparative analysis of legal systems in Japan and Thailand.
by **Ms. Sakura SUGIMURA (KU)**

04:30 PM – 04:45 PM

Connecting policies to people: How Thai government policy goes viral on TikTok through storytelling.
by **Ms. Katesinee Rattanaphan (CMU)**

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04:45 PM – 05:00 PM

MONKWELL: Empowering Monks Through Line Official Account as a Personal Health Diary for Enhanced Health Literacy on Non-Communicable Disease (NCD) Prevention.
by **Nutchaya Worapanyasakulchai (CMU)**

05:00 PM – 05:15 PM

Tha Phae Gate Ice Cream: Promoting Northern Thai Culinary Heritage through 3D Printed Technology.
by **Khao Marukapitak (CMU)**

05:15 PM – 05:30 PM

LARY: Prototype for Developing an Application to Detect Voice Quality.
by **Kornkamol liebsuetragul (CMU)**

05:30 PM – 05:45 PM

Storeon: Empowering Student Creativity through a Virtual Showcase and Business Hub.
by **Witchavee Noinivorn (CMU)**

05:45 PM – 06:00 PM

Minecraft for Education: Using Gaming Platforms to Educate the Youth about SDGs with Low Code, with Education Accessibility for All! by **Chanchai Chan (CMU)**



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August 27th, 2024 (Day 1): Kantary Hills Hotel

Welcome Party: Doi Suthep 1 & Doi Suthep 2 (1st Floor)

MC: Lect. Dr. Pornchanok Ruengvirayudh

06:30 PM

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08:40 PM

-Welcome remark (CMU)

-Toast (NCYU&KU)

-Khan Dok Dance

-CMU Student Performance Show

-Northern Fans Dance

-KU Traditional Japanese Song and Dance

The Faculties of Law and Economics will sing "Furusato," a Japanese ballad that evokes nostalgia of a more traditional time, while the Faculty of Agriculture will perform "Soran Bushi", a lively dance of the fishermen and the sea.

-Thai Folk Dance

-NCYU Student Performance Show
