

## Workshop on

# Promoting Cooperation on Research and Innovation between the European Union and Thailand: “The European Union’s Global Gateway Investment Priorities in Higher Education and Research”

Tuesday, 12 August 2025

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funded by the European Union (EU)*

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## Speakers Bio

### Session 1: Round Table Discussion on Promoting Strategic Partnerships between the European Union and Thailand on Science, Technology and Innovation

#### Moderator:

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## Dr. Sanchai Kuboon

**Senior Researcher, Nano Catalysist Adsorption and Simulation Research Group,  
National Nanotechnology Center, National Science and Technology  
Development Agency (NSTDA)**

Dr. Sanchai is a researcher in the Nano Catalysist Adsorption and Simulation Research Group at the National Nanotechnology, National Science and Technology Development Agency (NSTDA). His research focuses on the design and development of mixed metal oxides catalysts for production of gamma valerolactone from biomass derivatives. Dr. Sanchai has B.Sc. in Chemistry Department, Second Class Honors from Prince of Songkla University. He also received Ph.D. in Materials Science and Engineering Department from Michigan Technological University. Sanchai is a confident, diligent, and proactive researcher with great communication and spiritually for social integration.

#### Panellists:

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## Dr. Pranpreya Sriwannawit Lundberg

**Division Director, Division of International Policy Partnership, Office of the  
National Higher Education, Science, Research and Innovation Policy Council**

Dr. Pranpreya is a division director, division of International Policy Partnership, Office of the National Higher Education, Science, Research and Innovation Policy Council (NXPO). Her research focuses on public policy diffusion, renewable energy adoption, and sustainable development. Dr. Pranpreya has M.S. in Society, Science and Technology from Lund University and also received Ph.D. in Industrial Economics and Management from KTH Royal Institute of Technology. She was the first and the only Ph.D. candidate who was invited and elected as a member of International Association for Management of Technology (IAMOT) Board of Directors.

# Dr. Uracha Ruktanonchai

Executive Director of National Nanotechnology Center (NANOTEC), National Science and Technology Development Agency (NSTDA)

Dr. Uracha is Executive Director of National Nanotechnology Center (NANOTEC), National Science and Technology Development Agency (NSTDA). Her research focuses on lipid and polymeric nanoparticles, Nano-encapsulation, Advance drug delivery system. Dr. Uracha has B.Pharm. in Pharmaceutical Technology, First Class Honors with gold medal from Khon Kaen University. She also received Ph.D. in Advanced Drug Delivery from School of Pharmacy, University of Nottingham with thesis title: Physicochemical evaluation of polymer-DNA complexes for DNA delivery.

# Prof. Dr. Sompong Klaynongsruang

President of Thailand Science Research and Innovation (TSRI)

Professor Sompong is the President of TSRI under the Ministry of Higher Education, Science, Research, and Innovation (MHESI). She served as the Director of the Program Management Unit for Human Resources & Institutional Development, Research and Innovation (PMU-B) from 2022 to 2024. She has also held prominent positions as Dean of the Faculty of Science at Khon Kaen University. She has BSc. In Medical Technology from Khon Kaen University, MSc. In Biochemistry from Mahidol University, and also holds Ph.D. in Biochemistry from Tokai University. With over 100 publications to her name, Sompong is a prolific researcher whose work has significantly advanced the field of biochemistry. Her contributions have been recognized with numerous prestigious awards.

# Assoc. Prof. Dr.-Ing. Suramate Chalermwisutkul

The Sirindhorn International Thai-German Graduate School of Engineering,  
King Mongkut's University of Technology North Bangkok (KMUTNB)

Suramate Chalermwisutkul received his Dipl.-Ing. and Dr.-Ing. degrees in Electrical Engineering from RWTH Aachen University, Germany in 2001 and 2007, respectively. In 2007, he joined The Sirindhorn International Thai-German Graduate School of Engineering (TGGS), KMUTNB as a lecturer and researcher. He established the High Frequency Systems Laboratory at TGGS and has been the lab head since its inception. Dr. Chalermwisutkul was the communication subsystem manager of the KNACKSAT project in which the first Thai-made satellite was developed and launched to the orbit via SpaceX Falcon 9 rocket, SSO-A mission in 2018. He was a visiting lecturer at RWTH Aachen University, Germany where he taught a seminar course in electromagnetic sensors for multidisciplinary applications. Since 2022, Dr. Chalermwisutkul has held the position of an external adjunct academic at the Institute of High Frequency Technology (IHF), RWTH Aachen University. Also, he has been serving as the area chair in electromagnetics, microwave and antenna of the ECTI Association (Electrical Engineering/Electronics, Computer, Telecommunications, and Information Technology) since 2021. His research interests include RF systems for Cubesats, smart antennas, reconfigurable RF systems, and EM sensors.

## Session 2: Showcasing and Sharing Experiences: EU-funded Partnerships on Climate Change

**Moderator:**

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### **Dr. Natthanan Kunnamas**

**Jean Monnet Chair, Director of Centre for European Studies, Faculty of Political Science, Chulalongkorn University**

Dr. Natthanan Kunnamas is an Associate Professor at the Faculty of Political Science and Director of the Centre for European Studies at Chulalongkorn University. With over 20 years' experience in European Studies, her research covers EU–Thai relations, the EU's role in the Indo-Pacific, normative power Europe, regional integration, and post-socialist transformation in the Balkans. She was the first ASEAN scholar awarded the Jean Monnet Chair Professorship (2016) and was decorated as a Knight of the Order of Academic Palms by France (2019). She holds a Ph.D. and a Master's degree in European Politics from the University of Leeds, a Master's degree in Policy Analysis from GRIPS, Japan, and a First-Class Honors Bachelor's degree in Political Science from Thammasat University, all supported by competitive scholarships.

**Panellists:**

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### **Dr. Manzul Kumar Hazarika**

**Director of Geoinformatics Center, Asian Institute of Technology (AIT)**

Dr. Manzul Kumar Hazarika is currently the Director of the Geoinformatics Center at the Asian Institute of Technology (AIT), Thailand. He holds a Ph.D. in Civil Engineering from the University of Tokyo, Japan.

With over 25 years of experience, Dr. Hazarika has been extensively involved in applying geospatial technologies to agriculture, disaster management, and environmental issues. He has worked in more than 20 countries across the Asia-Pacific, supporting governments in integrating geospatial technologies with conventional data and tools for informed decision-making.

His expertise in disaster management spans multi-hazard risk assessment, emergency mapping, damage assessment, community-based disaster management, and capacity building. He is actively contributing to the development of an open-source, cloud-based multi-hazard risk assessment platform in collaboration with ITC, University of Twente, Netherlands.

Throughout his career, Dr. Hazarika has engaged with a wide range of stakeholders, including high-level government officials and donor agencies, fostering strong professional networks and institutional collaborations. He has also published several research articles on the applications of Remote Sensing and GIS in various fields.

# **Ms. Kesinee Kiatpradab**

**Deputy Director, Decarbonization Technology, SCG Chemicals**

Kesinee Kiatpradab is chemical engineering. She has 22 years experiences in three different industry; petrochemical, pulp&paper, and hard disk

18 years experience in Petrochemical industry she took several process technology roles in several growth projects of downstream polyolefins, focusing on process technology and product development.

She was a team leader to set up a new department called "Technology strategy and new initiative" , performing technology, insight, leading to business opportunities and decision making.

Now she's a manager - Decarbonization Technology and assigned to work as Deputy Director - Decolonization Technology for SCG Chemical in Thailand.

# **Dr. Pongtanawat Khemthong**

**National Science and Technology Development Agency (NSTDA)**

Dr. Pongtanawat Khemthong is a distinguished researcher specializing in catalysis, environmental science, materials science, energy, and advanced analytical characterization. He holds a Ph.D. in Chemistry from Suranaree University of Technology, where his pioneering work in nanomaterials, catalysis, and environmental technology has established him as a leading expert in his field. Dr. Khemthong's research focuses on the development of novel materials for energy, environmental, and medical applications. His contributions have earned him several awards, grants, and multiple patents, reflecting his commitment to both theoretical and applied advancements in materials science. In addition to his research, Dr. Khemthong serves as a reviewer and editor for prestigious journals and is actively involved in international conferences. His work continues to influence the field through innovative approaches and collaborative research efforts.

# **Prof. Dr. Nitsara Karoonuthaisiri**

**BIOTEC Researcher and IJC-FOODSEC Director.**

Dr. Nitsara Karoonuthaisiri is a researcher and Head of the Microarray Laboratory at the National Center for Genetic Engineering and Biotechnology (BIOTEC), specializing in diagnostic development for food security and medical applications, as well as applying omics technologies to study organisms vital to Thailand's agriculture and food industry. She holds a Bachelor's degree from Columbia University, a Master's degree and Ph.D. from Stanford University, and completed a Global Leadership and Public Policy for the 21st Century program at Harvard Kennedy School.

She has published over 90 peer-reviewed papers (h-index 30), filed more than 30 patents, and developed over 10 prototypes. Her notable achievements include developing Thailand's first cDNA microarray for black tiger shrimp and pioneering multiplex diagnostic systems for pathogens and contaminants in food. She has secured major international research grants and received numerous awards, including the Marie Curie Fellowship, Young Global Leader by the World Economic Forum, UNESCO-L'Oréal Women in Science Fellowship, and the Outstanding ONE HEALTH Researcher in Aquaculture Award, and has been recognized among Asia's leading women scientists.



## **Session 3: Showcasing and Sharing Experiences: EU-funded Partnerships on Health and Health related issues**

**Moderator:**

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### **Dr. Natthanan Kunnamas**

**Jean Monnet Chair, Director of Centre for European Studies, Faculty of Political Science, Chulalongkorn University**

Dr. Natthanan Kunnamas is an Associate Professor at the Faculty of Political Science and Director of the Centre for European Studies at Chulalongkorn University. With over 20 years' experience in European Studies, her research covers EU–Thai relations, the EU's role in the Indo-Pacific, normative power Europe, regional integration, and post-socialist transformation in the Balkans. She was the first ASEAN scholar awarded the Jean Monnet Chair Professorship (2016) and was decorated as a Knight of the Order of Academic Palms by France (2019). She holds a Ph.D. and a Master's degree in European Politics from the University of Leeds, a Master's degree in Policy Analysis from GRIPS, Japan, and a First-Class Honors Bachelor's degree in Political Science from Thammasat University, all supported by competitive scholarships.

**Panellists:**

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### **Dr. Boripat Siriaroonratm**

**Mahidol University**

Dr. Boripat Siriaroonrat is a researcher at the Faculty of Environment and Resource Studies, Mahidol University. He was a Director of Conservation & Research at the Zoological Park Organization of Thailand, and a wildlife Health and Ecology Coordinator for the Food and Agriculture Organization (FAO) Regional Office for Asia and the Pacific. Boripat received his DVM from Chulalongkorn University in 1994 and MS in Zoology in 1998 and PhD in Environmental Science and Policy from George Mason University in 2006. He was a research fellow at the Smithsonian's National Zoological Park and Smithsonian Conservation Biology Institute, USA. He has been involved in wildlife reproductive science research for 15 years with experience from variety of species. He has been active advocate for One Health linking wildlife health activities and conducted training courses for veterinarians, medical doctors and wildlife biologists on One Health with wildlife emphasis in Bangladesh, Vietnam, and China. He is currently a Co-chair of IUCN/SSC Animal Conservation and Biobanking Specialist Group.

# Dr. Kanokwan Suwannarong

SUPA71

Dr. Suwannarong's current position as managing director for SUPA71 involves overseeing the design, planning, and implementation of all research. She is also responsible for overseeing the organization's fundraising efforts. Her research leadership at SUPA71 is the result of her twenty years of experience as a country director, project manager, and regional researcher for USAID-supported projects, NGOs, and other organizations in Thailand and Southeast Asia. She is an expert in epidemiology studies and has conducted both quantitative and qualitative research extensively. Her areas of interest in research include capacity building, monitoring and evaluation, technology, and innovations. Additionally, she participates in numerous education, health research initiatives, and communication, including social and behavior change communication (SBCC) and social science.

Dr. Suwannarong holds a Master of Science in Epidemiology and Public Health from the University of the Philippines (supported by SEAMEO TropMED Network) and a Ph.D. in Public Health from Chulalongkorn University, Thailand, as well as a Ph.D. in Tropical Medicine from Mahidol University. She is currently a postdoctoral fellow at Chulalongkorn University's Faculty of Veterinary Science's Center of Excellence for Emerging and Re-emerging Diseases in Animals,

# Dr. Cecile M. Lantican

SUPA71

Celice Lantican holds a PhD in Communication. She is a social and behavior change communication specialist with over 38 years of experience in managing government-led and foreign-assisted development communication programs on agricultural technology transfer, environment and natural resource conservation education, and public health to include: family planning; maternal, child, and adolescent health; tuberculosis; and emerging infectious diseases from wildlife. Her communication research background has been nurtured by her solid experience in project design and implementation of health and science communication, social and behavior change communication, and advocacy.

She served the Philippines Department of Science and Technology for more than 25 years working with agriculture and environment scientists in the conduct of field trials and promotion/utilization of research results in technology development. During the last 18 years, she assumed high-level positions working for international organizations like University Research Co. (URC), Campaigns and Grey, United Nations Population Fund (Manila), Futures Group, Academy for Educational Development in Cambodia, FHI360 in Lao PDR, and FAO in Timor Leste. Under such engagements, she implemented several projects, making use of evidenced-based and audience/client-centered approaches.

# Asst. Prof. Nattawan Utoomprurkporn

Faculty of Medicine, Chulalongkorn University

Dr. Nattawan Utoomprurkporn is Thailand's first PhD holder in Neuroaudiology and Audiovestibular Medicine. Based at Chulalongkorn University, she is a pioneering researcher and Assistant Professor of Otolaryngology, leading cross-national innovations in hearing/balance and cognitive health. Her work includes developing Thailand's first hearing screening app for dementia detection and spearheading UK and European-Thai collaborations such as the Telerehabilitation Decision Support System for older adults.

She received funding from local and international organizations such as Program Management Unit for Human Resources & Institutional Development, Research and Innovation (PMU-B) and Program Management Unit for Competitiveness (PMU-C) under Office of National Higher Education Science Research and Innovation Policy Council (NXPO) Thailand, the Royal Academy of Engineering (UK), the British Council (UK), the National Brain Appeal (UK) and the Horizon Europe.

A passionate educator and mentor, Dr. Nattawan is also a champion of equality in clinical research and plays a pivotal role in shaping national and international health strategies and education for young doctors, with a strong focus on aging societies and inclusive healthcare.

## Prof. Dr. Surapong Chatpun

**Department of Biomedical Sciences and Biomedical Engineering, Faculty of Medicine, Prince of Songkla University**

Associate Professor Dr. Surapong Chatpun received the B.Eng. in mechanical engineering from Chulalongkorn University, Thailand, in 1996, and M.Eng from the University of Tokyo, Japan, in 2003. He earned his Ph.D. in Bioengineering from the University of California, USA, in 2010. After graduation, he has joined the Faculty of Medicine, Prince of Songkla University. He is a principal investigator of Cardiovascular Engineering Research Laboratory (CERLab). His research is focused on applying engineering approaches such as continuum mechanics, numerical methods e.g., FEM, fluid mechanics e.g., CFD, image processing and computer aided design combined with life sciences knowledge and available technologies to bring us to understand function and mechanisms of the circulatory system in both normal and pathological conditions. He also designs and invents medical devices not only for cardiovascular systems but also for other clinical applications such as rehabilitation and orthopedics. His current research focuses on wearable feedback system for gait rehabilitation for stroke patients by applying affordable technology of wearable sensors such as inertial measurement unit (IMU) and electromyography electronics.

He received several awards and international funds during the past 10 years. In 2015, he received the Young Academic Staff award from Faculty of Medicine. In 2016, he was awarded the Research grand slam award from Prince of Songkla University. This award is given to a researcher who has 5 consecutive years of research outputs. He also received international funds from Thailand Research Fund (TRF) and Newton Fund in 2017 and from Frontiers of Engineering for Development from Royal Academy of Engineering in 2018. Furthermore, in 2023, he was co-principal investigator with the Serbian principal investigator for the Horizon Europe Framework Programme: Staff Exchange.

# **Assoc. Prof. Dr. Channarong Rodkhum**

**Center of Excellence in Fish Infectious Diseases (CEFID), Faculty of Veterinary Science, Chulalongkorn University.**

Dr. Channarong Rodkhum is currently serving as an instructor in Veterinary Microbiology at the Department of Veterinary Microbiology, Faculty of Veterinary Science, Chulalongkorn University. Dr. Channarong Rodkhum obtained his Bachelor of Veterinary Medicine (B.Ed.) from Chulalongkorn University in 1997 and hold Ph.D. in Aquatic Biosciences from Tokyo University of Marine Science and Technology (TUMSAT) in 2005. His research focuses on Infectious diseases of aquatic animals, Molecular biology of pathogenic organisms of aquatic animals, and The current methods used to diagnose, prevent and treat the principal diseases of cultured penaeid shrimp and fish. He has contributed extensively to the field through publications on topics such as In vitro drugs susceptibility of *Vibrio* spp. isolated from Black Tiger Shrimps (*Penaeus monodon*) and their cultural environment by agar dilution technique, Use of Oxytetracycline for treatment of Ulcerative Shell Disease in Soft Shell turtle ( *Pelodiscus sinensis*), Drug resistance of *Salmonella* isolated from Disease process of animal, and Opportunistic *Vibrios* isolated from Taiwanese Soft Shell turtle (*Pelodiscus sinensis*).

He has participated in numerous specialized training programs, including seminars on internal medicine, food microbiology, and nucleic acid-based technologies, both domestically and internationally. His dedication to veterinary science is further reflected in his active involvement in national and international conferences, student leadership roles, and technical committees throughout his career.

