



SATREPS



International Symposium



“Transforming Mobility for Humanity”



Commemorating the 50th Anniversary of The Club of Rome “The Limits to Growth”

December 14, 2022

Venue: Chulalongkorn University, Bangkok*



Scope of Symposium

Mobility is an indispensable element of humanity, as human life and livelihoods are greatly dependent on efficient and safe mobility. While modern transport systems have contributed to remarkable industrial development and economic growth in most parts of the world throughout the 20th century, too many lives have been lost due to various unintended consequences. All over the world, a total of around 1.35 million people die each year because of traffic accidents, and another 50 million people are seriously injured. Meanwhile, air pollution causes over 6.5 million deaths each year globally, one key cause of which is vehicle emissions. Also, transportation is undeniably a major source of greenhouse gas emissions that are responsible for climate crisis and also contribute to the spread of pandemics.

As catastrophic changes to the global climate become a real possibility with existential consequences for humanity, mobility must be transformed. The main sources of emissions are rapidly growing in megacities in Asian and African emerging economies. The Club of Rome report “The Limits to Growth” warned in 1972 that food and other resources would not catch up with the exponentially growing population. Likewise, transport infrastructure supply today cannot catch up with rapidly growing motorization. Similarly, technological innovations in developed countries do not always work. We are hence in dire need of substantial behavioral transformation.

To commemorate and reflect on the 50th anniversary of The Club of Rome’s 1st Report “The Limits to Growth,” this international symposium focuses on critical issues and policy options that aim to transform mobility, so that humans can escape eventual extinction while still leading worthy and meaningful lives.

*Hybrid event

Thailand time (GMT+7)	Program
9:00-9:30 CET 3:00-3:30 JST 11:00-11:30	Registration
Opening Plenary	
9:30-9:45 CET 3:30-3:45 JST 11:30-11:45	<p>Welcome Address (5 mins)</p> <ul style="list-style-type: none"> Prof. Dr. Bundhit Eua-arporn, President, Chulalongkorn University <p>Opening Address (10 mins)</p> <ul style="list-style-type: none"> Ms. Tomoyo Nonaka, Full Member, Club of Rome; Former Chairperson and CEO of Sanyo Electric Mr. Masafumi Shukuri, Chairman, Japan Transport and Tourism Research Institute (JTTRI) <p>MC:</p> <ul style="list-style-type: none"> Ms. Michiko Yoshida, Director, Division of Global Networking and Engagement, Office of International Affairs and Global Network, Chulalongkorn University

Policy Dialogue: Mobility for Humanity: Where We Are, Where We Should Be	
9:45-12:00 CET 3:45-6:00 JST 11:45-14:00	<p>Keynote Address (20 mins)</p> <ul style="list-style-type: none"> <i>“Sufficient Mobility for People Overcoming Mortality, Carbon Neutrality, and Energy”</i> <ul style="list-style-type: none"> Prof. Dr. Yoshitsugu Hayashi, Executive Committee Member & Japan Association President, The Club of Rome; Ex-President of World Conference on Transport Research Society; Distinguished Professor, Chubu University <p>Panelists: (120 mins)</p> <ul style="list-style-type: none"> Mr. Sanon Wangsrangboon, Deputy Governor, Bangkok Metropolitan Administration Mr. Ahmad Rifai, Co-Founder/Executive Director, Kota Kita Foundation Dr. Wei-Shiuen Ng, Economic Affairs Officer, UNESCAP <ul style="list-style-type: none"> Prof. Dr. Yoshitsugu Hayashi, Executive Committee Member & Japan Association President, The Club of Rome; Ex-President of World Conference on Transport Research Society; Distinguished Professor, Chubu University <p>Moderator:</p> <ul style="list-style-type: none"> Assoc. Prof. Dr. Apiwat Ratanawaraha, Faculty of Architecture, Chulalongkorn University; Full Member, The Club of Rome

12:00-13:30 CET 6:00-7:30 JST 14:00-15:30	Lunch Break
Roundtables: Current Challenges, Future Solutions	
13:30-13:50 CET 7:30-7:50 JST 15:30-15:50	Introductory Note to the Roundtables (20 mins) <ul style="list-style-type: none"> • <i>“The Futures of Bangkok Mobility 2042”</i> <ul style="list-style-type: none"> ➤ Assoc. Prof. Dr. Apiwat Ratanawaraha, Faculty of Architecture, Chulalongkorn University; Full Member, The Club of Rome
13:50-14:35 CET 7:50-8:35 JST 15:50-16:35	Roundtable I: Mobility and Mortality Risk Challenges Topics and Panelists: (7 mins x 3 + 15mins for discussion) <ul style="list-style-type: none"> • <i>The Outlook for Air Pollution and CO2 Emissions from Transport Sector in Asia</i> <ul style="list-style-type: none"> ➤ Mr. Cornie Huizenga, Co-Teamleader Asian Transport Outlook (ADB) • <i>Transport Safety in the ASEAN-India Region</i> <ul style="list-style-type: none"> ➤ Mr. Yukio Yamashita, Senior Research Fellow/Senior Director, ASEAN-India Regional Office (AIRO), Japan Transport and Tourism Research Institute (JTTRI) • <i>Pandemic Shock in Mobility</i> <ul style="list-style-type: none"> ➤ Prof. Dr. Junyi Zhang, Co-Chair, World Conference on Transport Research Society COVID-19 Taskforce, Hiroshima University Moderator: <ul style="list-style-type: none"> • Prof. Dr. Atsushi Fukuda, College of Science and Technology, Nihon University
14:40-15:25 CET 8:40-9:25 JST 16:40-17:25	Roundtable II: Alternative Solution Strategies and Instruments Topics and Panelists: (7 mins x 3 + 15mins for discussion) <ul style="list-style-type: none"> • <i>Transforming The Energy System to Net Zero: Europe in A Global Context</i> <ul style="list-style-type: none"> ➤ Prof. Dr. Peter Hennicke, Full Member, The Club of Rome; Ex-President of Wuppertal Institute for Climate, Environment and Energy, Germany • <i>The Role of DX in Mobility for Humanity</i> <ul style="list-style-type: none"> ➤ Dr. Carlos Álvarez Pereira, Vice President, The Club of Rome • <i>Practices of MaaS Systems in Advanced Economies</i> <ul style="list-style-type: none"> ➤ Project Prof. Fumihiko Nakamura, Graduate School of Frontier Sciences, The University of Tokyo Moderator: <ul style="list-style-type: none"> • Dr. K. E. Seetharam, Task Manager Bill & Melinda Gates Foundation, Asian Development Bank Institute

15:30-16:15 CET 9:30-10:15 JST 17:30-18:15	<p>Roundtable III: Solution Package for Bangkok - SATREPS Sukhumvit Model</p> <p>Topics and Panelists: (7 mins x 3 + 15mins for discussion)</p> <ul style="list-style-type: none"> • <i>QOL-MaaS for Urban Restructuring and Behavioral Transformation in Bangkok</i> <ul style="list-style-type: none"> ➢ Assoc. Prof. Dr. Varameth Vichiensan, Faculty of Engineering, Kasetsart University • <i>Need for Evaluation of QOL in Transportation Planning</i> <ul style="list-style-type: none"> ➢ Assoc. Prof. Dr. Pawinee Iamtrakul, Faculty of Architecture and Planning, Thammasat University • <i>Last-Mile Strategies for Decarbonation and Gentrification by Small & Smart Vehicles and Walkable Streets</i> <ul style="list-style-type: none"> ➢ Prof. Dr. Kenji Doi, Graduate School of Engineering, Osaka University <p>Moderator:</p> <ul style="list-style-type: none"> • Assoc. Prof. Dr. Saksith Chalermpong, Faculty of Engineering; Deputy Director, Transportation Institute, Chulalongkorn University
16:15-16:25 CET 10:15-10:25 JST 18:15-18:25	<p>Closing Remarks (5 mins x 2)</p> <ul style="list-style-type: none"> • Prof. Tetsushi Sonobe, Dean, Asian Development Bank Institute (ADBI) • Dr. Kazushige Endo, Director, United Nations Centre for Regional Development (UNCRD)

Date & Time: 9:30-16:30, December 14, 2022

Venue: 7F, Conference Rm, Office of Academic Resource, Chulalongkorn University

Organizers and Co-Organizers

Organizer

- The Japanese Association of The Club of Rome

Co-Organizer and Host of Real-Remote Hybrid Conference

- Chulalongkorn University

Co-Organizers

- JTTRI (Japan Transport and Tourism Research Institute) and AIRO (ASEAN-India Regional Office)
- JICA/JST SATREPS Project “Smart Transport Strategy for Thailand 4.0”
- UNCRD (United Nations Centre for Regional Development)
- ADBI (Asian Development Bank Institute)
- WCTRS (World Conference on Transport Research Society)
- Chubu University Center for Sustainable Development and Global Smart City
- Japan Association for Human and Environmental Symbiosis
- Society for Social Management Systems