



CALL FOR PROPOSALS!

The 2nd International Symposium of Science Communication
and Public Science Literacy 2025

***“COMMUNICATING FRONTIER SCIENCE IN
THE CHALLENGING ERA”***

- Research & Scholarship
- Practice & Public Engagement

November 12, 2025,
Chulalongkorn University, Bangkok, Thailand
As a part of the 51st International Congress on
Science, Technology, and Technology-Based
Innovation (STT51)

IMPORTANT DATES

- **Submission deadline: September 10, 2025**
- Selection announcement: September 20, 2025
- Confirmation & registration: September 20-25, 2025
- Symposium: November 12, 2025

“COMMUNICATING FRONTIER SCIENCE IN THE CHALLENGING ERA”

Introduction

The development of science, technology, and innovation (STI) is a fundamental pillar for national progress; it plays a crucial role in enhancing citizens’ quality of life across multiple dimensions, including industry, healthcare, and transportation. In developed countries, such as the United States, Germany, the United Kingdom, the People’s Republic of China, and Japan, promoting research and development in STI is established as a core national policy and strategic priority. They focus on building capacity and competence in innovation and human resources to enhance competitiveness and self-reliance based on STI knowledge.

These nations have rapid STI development, as evidenced by their frontier science discoveries in various fields, such as Quantum Biology, Artificial Intelligence (AI), Machine Learning, New materials, and Space Science and Innovation. Such discoveries are being applied to improve the quality of life, the economy, society, and the environment, thereby empowering these nations with strong economic competitiveness and securing their positions as global leaders in prosperity and stability. These world-leading countries that have succeeded in STI development often use the enhancement of public science literacy—especially understanding of groundbreaking scientific knowledge and innovation—as a key mechanism to drive national STI progress. They promote science communication to the public effectively.

For example, the People’s Republic of China increased its population with scientific literacy from 1.60% to 14.14% within just 17 years (2006–2023) through serious and continuous investment in research, development, and science communication efforts. This is because science-literate citizens will be capable of making informed decisions in their daily lives and participating rationally in democratic processes on important issues (e.g., industry, agriculture, health, energy, environment, and data privacy); they are less likely to fall for misinformation and disinformation in the digital and AI era. Moreover, science-literate citizens are a crucial driving force who support the advancement of STI to promote national transformation. They also play a vital role in sustaining the policy and initiatives to advance STI.

Likewise, in Thailand and several other developing countries, promoting research and development in STI has been designated as a key policy and mechanism to drive economic and national development. The fostering includes supporting the development of human capital to be knowledgeable, competitive, and adaptable to global dynamics and challenges. However, achieving these goals requires active collaboration from all relevant sectors, including the public. Thus, the public’s science literacy in these nations must be enhanced.

Thailand, like many countries, has been promoting public awareness of science and science literacy for more than 70 years. Recently, the government and various sectors—both private and public—such as science museums, science learning centers, schools, universities, and media channels, of the nation have been working on fostering science communication at both the policy and project levels. However, there remains significant room for improvement to ensure science communication is comprehensive and effective, especially in communicating complex frontier scientific research that has been improving rapidly and widely affects society. Therefore, opportunities to exchange experiences and knowledge from other countries and to build collaboration in promoting science communication are essential for advancing science communication and public science literacy within and among nations.

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Given this, the Science Society of Thailand under the Patronage of His Majesty the King (SST) and the National Science Museum (NSM), Thailand are collaboratively organizing the **2nd International Symposium of Science Communication and Public Science Literacy 2025**, under the theme “*Communicating Frontier Science in the Challenging Era*,” as a part of the 51st International Congress on Science, Technology, and Technology-Based Innovation (STT51). Continuously moving forward from the first symposium in 2024¹, this 2nd symposium aims to create a platform for exchanging knowledge and fostering collaboration among experts, professionals, practitioners, and researchers who are working on reinforcing science communication in Thailand and abroad to strengthen the promotion of policy, research, and practice to communicate frontier science to the public at all levels—local to global. STT and NSM Thailand highly believe that the knowledge, experiences, and collaboration shared in this symposium will help promote civic science literacy in Thailand and the participant nations, which ultimately helps lay a strong foundation for the sustainable advancement of STI in the nations.

Objectives

1. To exchange knowledge and experiences in promoting the communication of frontier science to foster public science literacy nationally and internationally.
2. To establish and expand networks and collaborations among organizations and individuals who are working on promoting science communication in national and international contexts.
3. To collect and disseminate knowledge of policies, research and practices regarding promoting public awareness of science, science literacy, and science communication shared from the participant countries.

Key Agenda

The main agenda of the 2nd International Symposium of Science Communication and Public Science Literacy 2025, titled “*Communicating Frontier Science in the Challenging Era*,” is to explore knowledge and experience involving the promotion of communicating frontier science in three dimensions: **policy and governance**, **research and scholarship**, and **practices**, from various individuals and organizations in Thailand and abroad. The event aims to be an international platform for people who work in relevant fields to heighten their capacity in fostering science communication and civic science literacy through learning from interorganizational and international peers. Moreover, it attempts to be a platform to build and strengthen the network and collaboration at all levels—local to global—to sustainably improve civic science literacy.

Keywords: Public Science Literacy, Science Communication, Frontier Science, Frontier Research, Science Literate Citizen

¹ The 1st International Symposium of Science Communication and Public Science Literacy was held on November 26, 2024, at The Empress Hotel, Chiang Mai, Thailand, as a part of the 50th International Congress on Science, Technology, and Technology-Based Innovation (STT50). The symposium aimed to facilitate the exchange of global and Thai perspectives and experiences in promoting science communication, particularly developing curricula for building science communicators.

Speakers and Audiences

Speakers

- In **Keynote & Special sessions**, six international speakers (keynote and special speakers) will share their perspectives and experiences relevant to policies, research and practices to promote communicating frontier science to enhance civic science literacy in the current challenging era.
- In **Parallel sessions**, selected from proposals, presenters will communicate their projects in two formats: **oral** (5 presenters/theme) and **poster presentations**. The presentations comprise two themes:

Theme 1: Research and Scholarship

Academic studies to improve the effectiveness of promoting frontier science communication: theories, models, and empirical research on effective policies, strategies, and courses.

Theme 2: Practice and Public Engagement

Practical applications and projects for communicating frontier science to enhance public science literacy, and to build the capacity of science communicators.

Audiences

- Executives, policymakers, researchers, professionals, practitioners and other key actors who are working on promoting science communication from higher education institutions, science museums, science learning centers, and other relevant organizations in Thailand and other countries.
- Postgraduate, graduate, and senior high school students, as well as the general public who are interested in science communication from Thailand and other countries.

Event Date & Venue

- **Date:** November 12, 2025
- **Venue:** Chulalongkorn University, Bangkok, Thailand
(as a part of the 51st International Congress on Science, Technology, and Technology-Based Innovation: STT51)

Preliminary Program

This preliminary program is to assist all speakers, presenters, and participants in planning their participation. The symposium will be held at Chulalongkorn University, Bangkok, Thailand, and broadcast online on the NSM Thailand Facebook page. The time zone of the virtual symposium is GMT + 7 (Bangkok).

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09.15-09.30 Opening remarks

- Welcoming speech
by the president of National Science Museum, Thailand
- Opening speech
by the president of the Science Society of Thailand Under the Patronage of His Majesty the King

09.30-10.30 Keynote session

- The importance of communicating frontier science and improving civic science literacy in the challenging era
- Policy & practice: global trends, challenges, and ways forward
by the representative of science communication and popularization professionals from the People's Republic of China (TBC)

10.45-12.00 Special session

- Trends & experiences of communicating frontier science to enhance civic science literacy from various national perspectives

12.00-13.00 Lunch break

13.00-16.00 Parallel session 1 & 2 (Call for proposals)

- Oral & poster presentation in two themes:
Theme 1: Research and Scholarship
Theme 2: Practice and Public Engagement

* *The full program with more details will be announced in the next circular. Please note that due to unforeseen circumstances, some programs may be subject to change. In these events, all delegates will be notified in advance.*

** *The whole program will be conducted in English.*

Registration Fee

To attend the symposium in person, all speakers, presenters, and attendees must register and pay the STT51 entry fee of 4,000 Baht/person. **Exclusive to presenting at this symposium, presenters who register through NSM Thailand are eligible for a special registration fee of 1,000 Baht/ person**; the registrants will also have access to other STT51 sessions taking place from November 11–13, 2025.

Call for Proposals!

Let's be a part of this sharing community to foster science communication and civic science literacy for our nations and global society by submitting proposals to share your research studies and projects regarding “*Communicating Frontier Science in the Challenging Era*” in the symposium's parallel sessions. Please find the submission details as follows.

“COMMUNICATING FRONTIER SCIENCE IN THE CHALLENGING ERA”

Proposal Submission

Sharing Themes

The symposium, under the theme “*Communicating Frontier Science in the Challenging Era*,” focuses on exploring and exchanging knowledge and experiences involving the promotion of communicating frontier science in three dimensions: **policy and governance**, **research and scholarship**, and **practices**, from various individuals and organizations in Thailand and abroad.

The submitted proposals will be selected if relevant to the following two areas:

- **Research and Scholarship:** Sharing academic studies to improve the effectiveness of promoting frontier science communication: theories, models, and empirical research on effective policies, strategies and courses. This involves analyzing public perceptions of science, studying misinformation, and evaluating science communication interventions and courses for science communicators.
- **Practice and Public Engagement:** Sharing practical applications and projects for communicating frontier science to enhance public science literacy (e.g., science journalism, public outreach, museum exhibitions, citizen science initiatives, digital media campaigns) and building the capacity of science communicators (e.g., science communication courses).

Submission & formatting guidelines

1. **Submit your abstract and full proposal** (details as follows) **online** via this link <https://forms.gle/gcPY7nXP7qKbtkU68> by **September 10, 2025, 11.59 PM** (Bangkok time).
2. **The abstract and full proposal must be in English only and in the following formats:**
 - **Abstract:** The abstract should fit within 1 page (approx. 200 words); only one figure or table is allowed at the end of the abstract, and must be in STT51 Abstract format (please download the format via this link: <https://shorturl.at/GhAD4>)
 - **Full proposal:** The full proposal must be in the symposium format (please download the format via this link: <https://shorturl.at/vqrdq>) and should be between 2–5 pages. It may include one or more photos, figures, or tables as appropriate. Your proposal should include:
 - Title of your presentation
 - Authors and Affiliation
 - Abstract/description of the project
 - Concepts and objectives of the project focus on communicating frontier science
 - Methodology: research methods and/or platforms used in the project
 - Key/pilot results
 - Discussion (e.g., barriers/concerns to the project and support needed)
 - Suggestions for future projects
 - References

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3. The submitted proposals will be selected to present in the symposium’s parallel oral or poster sessions:

- **Oral sessions (5 projects/theme):** authors of selected proposals will be asked to prepare a 15 min-presentation to present in the symposium’s parallel oral sessions
- **Poster sessions:** authors of selected proposals will be asked to prepare a poster to present in the parallel poster sessions.

All presentations must be in English. The selection result will be announced on September 20, 2025.

4. If your projects are selected, you are required to confirm your participation by September 25, 2025. In the confirmation process, you will be required to pay the STT51 registration fee of 1,000 Baht/presenter. (Normally, 4,000 Baht/person when registered directly with STT51). The registrants will also have access to other STT51 sessions taking place from November 11–13, 2025.

Important dates

- Submission of abstract and full proposal: Now – September 10, 2025
- Announcement of the selected proposals: September 20, 2025
- Confirmation of the participation & registration: September 20-25, 2025

For more information, please contact

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