



**INTERNATIONAL COUNCIL OF ASSOCIATIONS FOR SCIENCE EDUCATION
7TH ICASE WORLD CONFERENCE ON STEM EDUCATION
27 – 30 MARCH 2023
DUBAI, UAE**

PRELIMINARY ANNOUNCEMENT

The International Council of Associations for Science Education (ICASE) would like to invite scholars and practitioners around the world to attend this global gala event. The conference participants include policy makers, curriculum developers, scientists, science and university educators and researchers, science teacher association officers and members, and primary / secondary STEM teachers to share research results and engage in discussions about the latest developments in STEM education.

Established in 1973 with support from UNESCO, the objectives of ICASE are to extend and enhance the work of its member organizations; provide and support activities and opportunities to enhance formal, non-formal, and informal STEM education at all levels worldwide; establish and maintain an international communication network; and encourage and support the establishment and development of professional STEM organizations, especially where none currently exists in a country / region.

The ICASE 2023 world conference is also a celebration of the 50th anniversary of her establishment. It is a global event and is considered as a unique opportunity for all STEM researchers and educators to reach out, connect, and share their best practices. This is a conference that will reflect views and perspectives of STEM education globally, and aims to enable all attendees to use the ideas locally upon their return. For this reason, we urge all ICASE friends who have contributed to ICASE in the past, who still support ICASE today, and who will contribute in the future, to take part in this important conference by submitting their proposals (2,000 – 3,000 words) on or before 31 October, 2022.

The conference will be held in the Gulf region at the British University in Dubai in collaboration with Amity University, Dubai, United Arab Emirates from 27 - 30 March 2023.

We look forward to receiving you in Dubai, UAE.

Conference Theme

STEM Education Solutions to Complex Global Challenges

Conference Strands

A. STEM Education Policy

A1. Public – Private partnerships in STEM education

- A2. Curriculum development, evaluation, and assessment
- A3. STEM education policy trends and reforms
- A4. International comparative programs (PISA, TIMSS, ROSES, etc.)

B. STEM Education Impact

- B1. Innovation and entrepreneurship in STEM education
- B2. Sustainability and environmental education
- B3. Career awareness in STEM-related fields

C. STEM Teaching Practices

- C1. Teacher education and professional development
- C2. STEM teachers and the role of professional associations in promoting 21st century skills
- C3. Textbook's standards in STEM education
- C4. Cultural, social and gender issues
- C5. Digital technologies in STEM education
- C6. Best STEM education practices

D. STEM Education Pedagogy and Projects

- D1. Collaboration between formal and non-formal STEM learning contexts
- D2. STEM education funded projects (NSF, European Union, National Agencies, Erasmus Plus, etc.)
- D3. Engineering education research and practice

E. Others

We welcome creative topics that are relevant to the conference theme.

Keynote speakers

- Dr. BaoHui Zhang, Shaanxi Normal University, China
- Dr. Hassan Hamid Tairab, The United Arab Emirates University, UAE
- Dr. Khalid Al Marri, The British University in Dubai, Dubai, UAE
- Dr. Fazal Malik, Amity University, Dubai
- Dr. Sibel Erduran, ESERA President, University of Oxford, UK
- Dr. Christiana Omoifo, University of Benin, Nigeria
- Dr. Piet Kommers –UNESCO, Holland
- Dr. Joseph Krjacik, Michigan State University, USA

Dennis Chisman Oration

- Dr. Jack Holbrook, University of Tartu, Estonia

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Conference Webpage

For more information, please visit:

<https://www.buid.ac.ae/conferences/international-council-of-associations-for-science-education/>