



# From ICILS 2023 to ICILS 2028: Building on the Computational Thinking Competence for Artificial Intelligence (AI) Literacy

**Julian Fraillon**

International Association for the Evaluation of Educational  
Achievement (IEA)

**April 29, 2025 (Tuesday)**

**11:00 – 12:30**

**Room 101, Runme Shaw Building, HKU**

## Registration:

[https://hkuems1.hku.hk/hkuems/ec\\_regform.aspx?guest=Y&ueid=100086](https://hkuems1.hku.hk/hkuems/ec_regform.aspx?guest=Y&ueid=100086)



## Abstract:

The transition from ICILS 2023 to ICILS 2028 marks a pivotal period for advancing computational thinking and AI literacy among students worldwide. This seminar delves into the key findings from ICILS 2023, focusing on the current state of computational thinking competencies, and outlines a strategic roadmap for enhancing these skills in preparation for the ICILS 2028 assessment. Recognizing the growing importance of artificial intelligence in various aspects of life and work, the seminar will explore effective methodologies and educational practices to integrate AI literacy into curricula. Discussions will center on the need for interdisciplinary approaches, teacher professional development, and equitable access to resources to ensure all students can develop robust computational thinking abilities. Participants will gain insights into the evolving landscape of digital education and the critical steps necessary to equip the next generation with the skills required to thrive in an AI-driven future.

## About the speaker:



**Julian Fraillon** is a Senior Project Advisor to the International Association for the Evaluation of Educational Achievement (IEA). His work focuses on the conceptualization, planning and implementation of national and international large scale assessment projects. His primary research interests are assessment design, digital literacy education and civic and citizenship education. He is also a member of the IEA Technical Executive Group which provides high-level technical advice to IEA across all its studies.

Julian is the international study director of the IEA International Computer and Information Literacy Study 2028, and was the international study director of the inaugural ICILS in 2013 and the subsequent cycles in 2018 and 2023. Previously he was Director of the Assessment and Reporting Research Program – Mathematics and Science at the Australian Council for Educational Research (ACER) and has directed

a broad range of large-scale assessment projects in the areas of digital (ICT) literacy, literacy, numeracy, civics and citizenship education, values education and science. As part of this role he directed test development for the IEA International Civics and Citizenship Education Study (ICCS), 2009, 2016 and 2022 study cycles.

~ All are welcome ~

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