

# Computational Thinking Education in K-12

## **Abstract**

Learners who develop computational thinking are able to think like a computer scientist for demonstrating creativity and problem-solving skills to tackle daily life problems and innovate the world. It is important for young learners at the stage of K-12 to have opportunities of computational thinking development in school education for their innovation and advancement in daily life in the digital era. This panel will cover the issues of curriculum design, pedagogical models, teacher development, and learning evaluation for computational thinking education in K-12. Other related issues such as the linkage of computational thinking with unplugged activities, coding education and IOT for K-12 can also be discussed. This panel welcomes colleagues who are interested in the research and implementation of computational thinking development in K-12 education for participation for discussing the above important issues.