

Special Issue

The Affective, Cognitive, and Cultural Dimensions of Engagement with Computational Thinking and Emerging Technologies

Message from the Guest Editors

To make the interaction between emerging technologies and people accessible and impactful for everyone, we must consider how human elements shape our interaction with these technologies. Cultural, socioeconomic, and linguistic differences influence how individuals approach computational problem-solving. Psychological factors such as affect (emotions), cognition (thought processes), and motivation may play essential roles in how people develop and apply CT skills and leverage emerging technologies. Understanding these dynamics is crucial for teaching and applying these frameworks effectively in our diverse, technology-enhanced world.

This Special Issue will examine how emotional, cognitive, and cultural influences shape engagement with CT, CDL, and emerging technologies as a whole. By understanding these dynamics, we can better guide the development of pedagogical approaches and technological designs that prepare both future tech innovators and engaged citizens who use these frameworks to solve real-world, non-technical challenges.

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