

## Specialized Workshop: The AI Revolution in TESOL: Teaching, Learning, and Innovation –The Ethical Dimensions of AI in Education

In the movie “The Imitation Game,” the main character, mathematician Alan Turing, develops a machine that decodes encrypted German messages (Tyldum, 2014). In World War II, the Germans used these “Enigma Codes” to communicate battle positions and strategy against the Allied Forces. Turing invented a machine that was able to decipher the Enigma. As excited as Turing and his team were with the new-found capability, the invention presented an ethical dilemma for Turing and his team. Based on the movie, if they shared the decoded information, the Germans would know that Enigma had been figured out and would change course; thus, the chances of ending the war would have been throttled. Even though soldiers and assets could have been saved and protected, Turing decided to share limited information with the Allies to keep the discovery secret. The war eventually ended, and Turing and his invention are ultimately credited for helping to end World War II. Turing’s machine, an early example of Artificial Intelligence (AI), provided benefits while raising ethical and moral concerns with the advent of the technology.

With the foregoing in mind, this specialized workshop seeks to explore the intricate relationship between AI and TESOL education. Participants will be presented with information that aims to:

- Define AI in the Context of TESOL: Clarifying what constitutes AI technology and its specific applications within language education.
- Review Relevant Literature: Analyzing existing research to identify both the advantages AI can offer and the ethical challenges it presents.

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