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## Legal issues relating to AI-generated art

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### Abstract

Currently, the ability of AI image-generating models from text has advanced exponentially as an AI-generated artwork won first place at the Colorado State Fair's fine arts competition. This phenomenon shows that Artificial intelligence (AI), not only becoming rapidly widespread throughout society, but it also creates a significant impact on art creation which is defined to be exclusive to humans. As a consequence, the operations of AI inevitably impose challenges to copyright law.

Our findings demonstrate that the current copyright regime regarding the concept of "authorship" and "copyrightable work" in Thai law, along with some of the other laws around the world, does not recognize AI and AI-generated artwork, due to the lack of personhood. Therefore, this work explores the AI image-generating model while also comparing Thailand's legislation and regimes of copyright law from different countries. Furthermore, the gaps in the current copyright regime and the perception of the artist toward AI will also be analyzed. And, to eliminate these gaps, this research introduces suggestions in order to incorporate AI and AI-generated works under the law.

**Keywords:** legal , authorship , copyrightable work