

# Exploring the Potential of Human-AI Co-Painting in the Era of Large Models

## **Background and objectives:**

Large models are increasingly employed in creative tasks, assisting people in designing various products, illustrations, and more. However, the heavy reliance on text prompts in current AI tools presents challenges for artists. For painters especially, limited involvement in the creation process often leads to unpredictable results. In today's landscape of diverse creative forms, what opportunities exist for traditional painters to collaborate with AI in meaningful ways?

## **Tasks:**

1. Conduct data collection to determine the general scope and key elements of co-painting and validate them through further studies. This might include interviews and workshops.
2. Perform thematic analysis on the discussion data, including coding and extracting themes, to obtain structured insights about co-painting.

## **Deliverable:**

Produce a comprehensive report with analysis results, summaries, scenario graphics to give a framework of 'Human-AI Co-painting'. Support will be provided by supervisory team and collaborator throughout the project.

**Details:** Ideal for MSc students in Design for Interaction, Strategic Product Design, or Integrated Product Design with an interest in systemic approaches.

**Applications:** Email [D.Q.Dantong@tudelft.nl](mailto:D.Q.Dantong@tudelft.nl) with a project example that showcases your skills as a design researcher and your motivation for this project.