

大湾区文化系列

GREATER BAY AREA CULTURE SERIES

昼家文化 人工智能艺术展

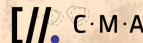
TANKA CULTURE
AI ART EXHIBITION

许丕文教授创作与策展团队

展览地点：广州南沙·笃学路越秀N+聚所（香港科技大学广州 1号门对面）



信息枢纽
INFORMATION HUB



广州画帝创意技术有限公司



主创艺术家与策展人

Introduction of the Artist and Curator

许丕文 (Dr. James She)，是一位大学教授和媒体艺术家。他目前担任香港科技大学（广州）计算媒体与艺术副教授。他的研究兴趣集中在人工智能和多媒体在艺术、媒体、文化和人类创造力方面的应用。2020年，他还曾是卡塔尔国立美术馆的驻馆艺术家。他的艺术作品曾在卡塔尔、阿联酋、韩国、澳大利亚、泰国、中国及其他多个国家展出。团队过往作品类型包括人工智能生成艺术，互动艺术，产品与体验设计等。



画帝创意与技术团队 Wadi Creative Team

潘思博

Sibo Pan



李伟洪

Sam Li

香港科技大学（广州）CMA 团队 HKUST(GZ) CMA Team



杜坤晓

Kunxiao Du



陈左娜

Zuona Chen



李沁妍

Qinyan Li



许寒添

Hantian Xu



前言/ Foreword

疍家人是中国东南沿海地区世代以艇为家的水上居民，主要以捕鱼为业，曾是粤港澳大湾区极具特色的文化景观之一。随着现代化的推进，疍家人的传统生活方式与习俗逐渐被淡忘。为了更好地保护和传承这一珍贵的文化遗产，我们通过新媒体技术，尤其是人工智能的应用，探索出创新的展示与传播途径。借助生成式人工智能在文本处理和艺术创作上的卓越能力，我们深入梳理了疍家文化的历史脉络，重现了他们的生活场景，以更具互动性和表现力的方式呈现出来。希望通过这些尝试，引发公众对疍家文化的关注，增强文化认同，进一步推动文化多样性的保护与传承。

本次展览展示疍家人依水而居的生活方式及其历史变迁。水不仅是疍家人生存的依托，也串联起粤港澳大湾区的共同历史和文化。在创作期间，创作与策展团队通过对疍家人群与其生活环境及历史的全面调研，形成了充分翔实的图文数据库，并以此训练出大语言模型和文本生成图像的模型，这些模型能够正确理解疍家文化及其相应的视觉特征，并且能够运用中国艺术和媒体风格生成大量有关疍家文化的视觉内容，随后从艺术和文化的角度进行严格的筛选，形成一系列水墨、工笔和漫画的视觉艺术系列，以及艺术装置作品，生动再现了疍家人的衣食住行、民风民俗以及渔业贸易，展现出疍家人在水上生活中的劳动美学，同时也反映了中国视觉艺术与媒体艺术的演进历程。

本次展览由香港科技大学（广州）信息枢纽计算媒体与艺术学域的副教授许丕文及其跨学科团队精心策划。该团队成员来自高校与企业，专注于人工智能与互动技术在文化遗产保护领域的研究与应用，致力于将前沿科技与粤港澳大湾区的地方文化相结合，为公众呈现一场全新的文化、艺术与技术融合的展览体验。



前言/ Foreword

The Tanka people are a community of water-dwelling residents along China's southeastern coast, traditionally living on boats and primarily fishing for their livelihood. Once a unique cultural aspect of the Guangdong-Hong Kong-Macau Greater Bay Area, their traditional lifestyle is fading with modernization. To preserve and promote this cultural heritage, we are utilizing new media technologies, particularly artificial intelligence, to explore innovative ways of showcasing Tanka culture. By employing generative AI for text and art, we've traced the historical context of Tanka life and recreated their living environments in interactive and engaging formats.

This exhibition showcases the Tanka people's water-based lifestyle and its historical changes, emphasizing its connection to the broader regional culture and history. Our research has resulted in a rich database of images and texts, which informed the training of AI models to generate visual art reflecting Tanka culture, blending traditional Chinese styles with contemporary media. The curated art creations include generative paintings in ink, meticulous brushwork, and animation, as well as new media installations that vividly depict Tanka daily life, customs, and how they make their livings. This not only showcasing their unique history but also illustrates the evolution of visual and media arts in China.

Curated by Prof. James She and his interdisciplinary team from the Hong Kong University of Science and Technology (Guangzhou), this exhibition aims to merge advanced technology with local culture of Greater Bay Area, offering a fresh experience that intertwines art, culture, and technology.



后记/ Afterword

人工智能技术的迅猛发展正在重塑我们的生活，其在文化遗产与保护方面的巨大潜力尤为引人瞩目。借助尖端的人工智能大语言模型和文本生成图像技术，我们深入探讨了疍家文化的内涵、独特风情及其永恒魅力。本次展览不仅是对疍家文化——这一粤港澳大湾区共同地方文化的崇高致敬，也是对中国传统艺术与现代媒体融合创新的一次大胆探索。

展望未来，许丕文教授带领的跨学科团队将在第二阶段展览中继续拓展人工智能在文化艺术领域的新视野。通过结合AI文化大模型、交互式数字人和文本生成视频等技术，团队将为观众带来更加引人入胜、生动活泼的疍家文化体验，让观众沉浸式地深刻感受科技、艺术与文化融合的力量。

本系列及未来展览均深植于粤港澳大湾区的文化沃土，致力于探索传统文化的现代表达方式，并推动中国文化的全球传播。我们将运用新媒体的力量，借助人工智能和数字技术的创新，讲述一个个引人入胜的中国文化故事，向世界展现中国文化的无限魅力。



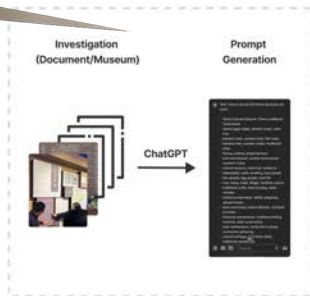
后记/ Afterword

The rapid development of artificial intelligence is reshaping our lives, particularly in its potential for cultural preservation and transmission. Utilizing cutting-edge AI language models and text-to-image generation technologies, we have explored the essence, unique charm, and timeless appeal of Tanka culture. This exhibition is not only a tribute to Tanka culture—a shared cultural heritage of the Guangdong-Hong Kong-Macau Greater Bay Area—but also a bold exploration of the fusion of traditional Chinese art with modern media.

Looking ahead, professor James She and his interdisciplinary team will continue to expand the horizons of AI in cultural arts during the second phase of the exhibition. By integrating AI cultural models, interactive digital avatars, and text-to-video technologies, the team aims to provide a more engaging and dynamic experience of Tanka culture, allowing audiences to deeply immerse themselves in the power of the intersection of technology, art, and culture.

This exhibition series, along with future exhibitions, is rooted in the rich cultural landscape of the Guangdong-Hong Kong-Macau Greater Bay Area, dedicated to exploring contemporary expressions of traditional culture and promoting the global dissemination of Chinese culture. We will harness the power of new media and innovative AI and digital technologies to tell captivating stories of Chinese culture, showcasing its ultimate allure to the world.

Our AI Art Making Techniques



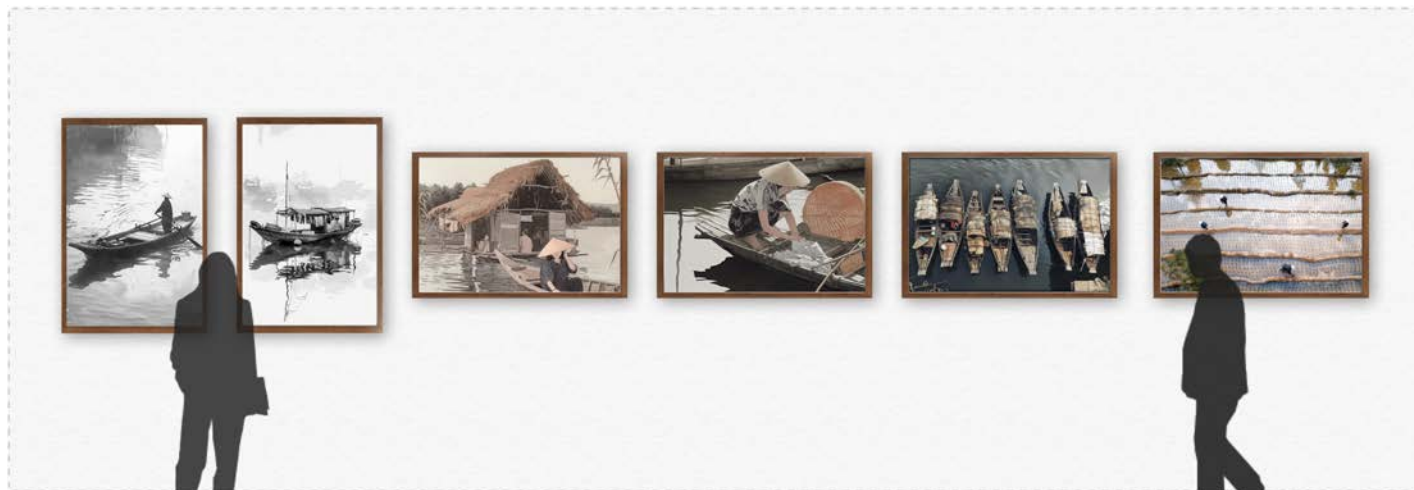
(a) Textual Tanka Heritage



(b) Generation via Midjourney



(c) Selection of Generated Results



(d) Artworks Display



Our AI Arts and Media Installation

Series 1

1e



1f



1c



1g



Series 2

2e



2f



2g



2h



Series 3

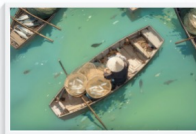
3a



3b



3c

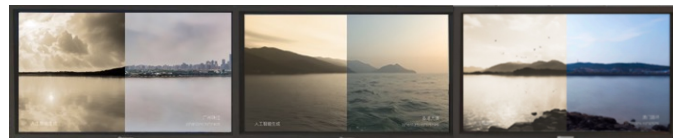


3d



Series 4

4a





水墨系列之

渔行

2024

许丕文教授及其创作与策展团队

人工智能工具、艺术微喷、宣纸、画框

Ink Painting Series

FISHING

2024

James She and Teams

AI Tools, Giclee, Rice Paper, Frame





水墨系列之

泛波

2024

许丕文教授及其创作与策展团队

人工智能工具、艺术微喷、宣纸、画框

Ink Painting Series

FLOWING

2024

James She and Teams

AI Tools, Giclee, Rice Paper, Frame





水墨系列之

流宁

2024

许丕文教授及其创作与策展团队

人工智能工具、艺术微喷、宣纸、画框

Ink Painting Series

MOORING

2024

James She and Teams

AI Tools, Giclee, Rice Paper, Frame





水墨系列之

晚泊

2024

许丕文教授及其创作与策展团队

人工智能工具、艺术微喷、宣纸、画框

Ink Painting Series

EVEBOUND

2024

James She and Teams

AI Tools, Giclee, Rice Paper, Frame







工笔系列之

潮浣

2024

许丕文教授及其创作与策展团队

人工智能工具、艺术微喷、宣纸、画框

Meticulous Painting Series

TIDAL WASH

2024

James She and Teams

AI Tools, Giclee, Rice Paper, Frame





工笔系列之

汐梦

2024

许丕文教授及其创作与策展团队

人工智能工具、艺术微喷、宣纸、画框

Meticulous Painting Series

REPOSING

2024

James She and Teams

AI Tools, Giclee, Rice Paper, Frame





工笔系列之

渔盼

2024

许丕文教授及其创作与策展团队

人工智能工具、艺术微喷、宣纸、画框

Meticulous Painting Series

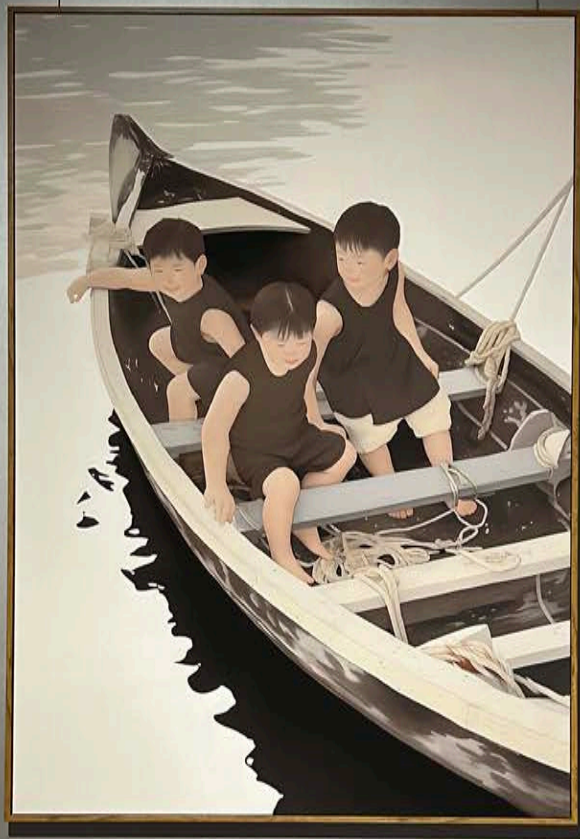
AWAITING

2024

James She and Teams

AI Tools, Giclee, Rice Paper, Frame





工笔系列之

喜乐

2024

许丕文教授及其创作与策展团队

人工智能工具、艺术微喷、宣纸、画框

Meticulous Painting Series

FUN TIME

2024

James She and Teams

AI Tools, Giclee, Rice Paper, Frame







漫画系列之

往聚

2024

许丕文教授及其创作与策展团队

人工智能工具、艺术微喷、宣纸、画框

Cartoon Series

GATHERED

2024

James She and Teams

AI Tools, Giclee, Rice Paper, Frame





漫画系列之

喜俗

2024

许丕文教授及其创作与策展团队

人工智能工具、艺术微喷、宣纸、画框

Cartoon Series

AQUA VOWS

2024

James She and Teams

AI Tools, Giclee, Rice Paper, Frame



漫画系列之

故市

2024

许丕文教授及其创作与策展团队

人工智能工具、艺术微喷、宣纸、画框

Cartoon Series

TIDAL TRADE

2024

James She and Teams

AI Tools, Giclee, Rice Paper, Frame





漫画系列之

遗舍

2024

许丕文教授及其创作与策展团队

人工智能工具、艺术微喷、宣纸、画框

Cartoon Series

FADING HOME

2024

James She and Teams

AI Tools, Giclee, Rice Paper, Frame

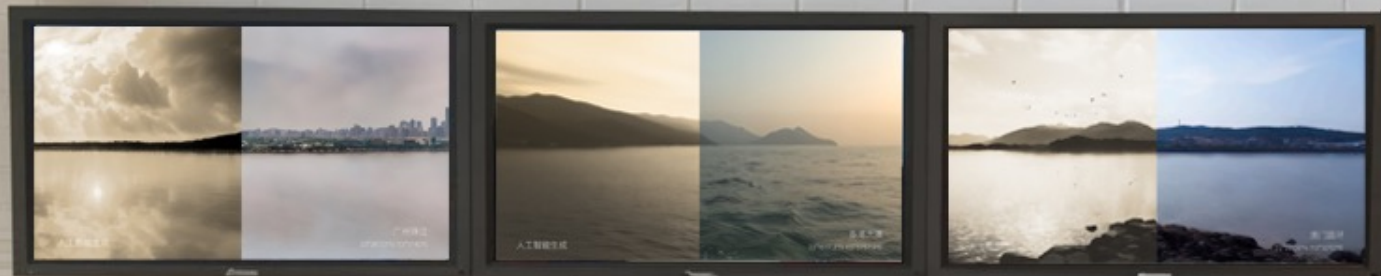




THE CAT RETURNS
STUDIO GHIBLI
TOTAL 19.21A







艺术装置

湾区水域 从今看古

2024

许丕文教授及其创作与策展团队

生成式图像、屏幕、玻璃钢

Art Installation

FROM PRESENT TO PAST:
THE GREATER BAY AREA



2024

James She and Teams

Generative Images, Screens, Fiberglass Reinforced Plastics



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Comment, Collaboration & Question?

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许丕文教授创作与策展团队



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TECHNOLOGY (GUANGZHOU)

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