

香港都会大学（HKMU）助理教授任思捷（Jimmy S. Ren）研究组诚招研究型硕士（MPhil）与博士生（PhD）

（2026/27 学年及后续入学）

导师介绍：投身前沿，成就卓越

任思捷博士是计算机视觉、人工智能与计算摄影领域的资深专家，拥有深厚的学术研究背景和顶尖的工业研发经验。

- **核心研究领域：**计算摄影学、计算成像、图像/视频处理与生成，致力于将基于模型的机器学习与深度学习方法应用于这些前沿领域。
- **卓越的学术成就：**在计算机视觉与人工智能的顶级会议与期刊（如 **TPAMI**、**CVPR**、**ICCV**、**ECCV**、**NeurIPS**、**ICML**、**AAAI** 等）上持续发表高水平论文，并积极参与学术社区建设。其论文在学术界有广泛影响力，论文总引用量超过 9000 次。
- **顶尖的产业实践：**在加入香港都会大学前，他曾于 **商汤科技（SenseTime）** 担任执行研究总监，领导 AI 成像团队，主导开发的手机计算摄影产品和 AI 图像传感器已应用于数千万台智能手机。此前，他还在英特尔、爱立信和联想等全球顶尖科技公司担任研发工作。
- **教育背景：**任博士于香港城市大学信息系统专业获得博士学位，于上海华东师范大学获得学士学位。

加入任教授的研究组，你不仅能接触到最前沿的学术课题，更能获得一位兼具卓越研究能力与丰富业界经验的导师的悉心指导。

学校平台：立足香港，放眼世界

香港都会大学是一所充满活力、面向未来的法定公立大学，也是香港首所应用科学大学。大学前身为香港公开大学，于 2021 年更名为香港都会大学，标志着其向教学研究型综合性大学的全面转型。

- **强劲的发展势头：**
 - 在最新的 2026 年 QS 世界大学排名中，香港都会大学位列 **781-790** 名，是香港首间进入该榜单的自资大学及应用科学大学。
 - 在 2026 年 QS 亚洲大学排名中，位列 **393** 名，较去年大幅跃升逾

140 位，展现出强劲的学术发展潜力。

- **雄厚的科研实力：**

- 根据 2022 年 SCImago 全球大学学术排名，香港都会大学的全球科研能力排名位列 **第 462 位**（香港地区共有 **9** 所大学上榜）。
- 在能源科学、工业与制造工程等特定学科领域，已跻身全球前列。
- 2025 年，超过 **3300 万港元** 的研究资助获研究资助局批出，为科研活动提供坚实支持。

- **卓越的学院支持：**

- 本课题组所在的科技学院，研究领域广泛，涵盖人工智能、计算机视觉、物联网、区块链、智能电网、生物医学工程等前沿方向。
- 学院师资力量雄厚，拥有包括讲座教授、教授及众多拥有海内外顶尖大学博士学位的研究人员，为学生提供高质量的学术环境。

- **在香港读研的独特优势：**

- 全英语教学科研环境，有条件无缝衔接世界其它国家和地区的英语项目和工作机会（博士，博后，研究科学家等）。
- 毕业后可从港府拿到 **2 年** 的 **IANG** 签证，期间可无条件留港找工作、学习、居住。
- 在校学习的时间会包含在申请香港永居身份所需要的总时间（**7 年**）内。

选择香港都会大学，即是选择一个快速上升、注重应用与创新的学术平台，为你未来的职业发展（无论是学术界还是工业界）奠定坚实基础。

研究方向

本研究组专注于以下（但不限于）方向的高质量研究：

- **计算摄影与计算成像**

- 图像/视频复原、增强与生成
- 事件相机（**Event Camera**）的视觉应用
- 深度学习与生成式 **AI** 模型
- **3D** 视觉

招生要求

- 对科学研究抱有强烈热情，勤奋踏实，具有探索精神和良好的团队协作能力。
- 已获得或即将获得计算机科学、电子工程、数学、数据科学或相关专业的学士/硕士学位。注意：申请博士项目需要硕士学位。
- 具备良好的编程能力和数学基础，参加过竞赛的同学是一个优势。
- 有计算机视觉、机器学习相关研究或项目经验者优先。
- 满足香港都会大学研究生院的基本入学要求（包括英语水平要求）。

待遇与支持

- 如申请成功将提供具有竞争力的研究生奖学金，足以覆盖学费和生活开支（约 19000 港币/月）。
- 充足的研究经费支持，包括高性能计算资源、参加国际顶级学术会议的差旅资助。
- 与顶尖科技公司的紧密合作，提供宝贵的工业界视野和潜在的实习机会。
- 在一个鼓励创新、氛围融洽的团队中，获得导师在科研、职业发展上的全力支持。

申请方式

热忱欢迎对人工智能与计算机视觉研究有浓厚兴趣的同学加入我们！通过官方网站申请：<https://admissions.hkmu.edu.hk/rpg/>。请有意申请的同学，通过电子邮件直接联系任思捷博士，并附上以下材料：

1. **个人简历（CV）**：包含教育背景、研究/项目经历、发表论文（如有）、获奖情况等。

2. **成绩单**：本科及硕士（如有）阶段的成绩单。
 3. **个人陈述**：简要说明你的研究兴趣、相关经验以及申请本课题组的原因。
 4. **其他支持材料**：如出版物、个人项目链接等（可选）。
- **联系邮箱**：jren@hkmu.edu.hk
 - **邮件主题建议**：[PhD/MPhil Application] - [Your Name]
 - **导师个人主页**：www.jimmyren.com
 - **学校官方网址**：www.hkmu.edu.hk
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最后更新：2026 年 1 月

Recruitment for MPhil and PhD Students in the Research Group of Assistant Professor Jimmy S. Ren at Hong Kong Metropolitan University (HKMU)

(For 2026/27 and Subsequent Intakes)

About the Supervisor: At the Forefront of Research and Excellence

Dr. Jimmy S. Ren is a seasoned expert in computer vision, artificial intelligence, and computational photography, possessing profound academic research experience and top-tier industrial R&D expertise.

- **Core Research Areas:** Computational photography, computational imaging, image/video processing and generation, dedicated to applying model-based machine learning and deep learning methods to these cutting-edge fields.
- **Outstanding Academic Achievements:** Has consistently published high-level papers in top-tier conferences and journals in computer vision and AI (e.g., **TPAMI, CVPR, ICCV, ECCV, NeurIPS, ICML, AAAI**), and actively participates in academic community building. His work has broad influence in academia, with a **total citation count exceeding 9,000**.
- **Top-tier Industry Experience:** Prior to joining HKMU, he served as **Executive Research Director at SenseTime**, leading the AI imaging team. The smartphone computational photography products and AI image sensors he developed have been deployed in tens of millions of devices. He also previously held R&D roles at other leading global tech companies like Intel, Ericsson, and Lenovo.
- **Educational Background:** Dr. Ren earned his PhD in Information Systems from City University of Hong Kong and his Bachelor's degree from East China Normal University in Shanghai.

Joining Dr. Ren's research group offers you not only access to the most advanced academic topics but also guidance from a supervisor with exceptional research capabilities and rich industry experience.

The Institutional Platform: Based in Hong Kong, With a Global Outlook

Hong Kong Metropolitan University is a dynamic, forward-looking **statutory public university** and Hong Kong's first **University of Applied Sciences**.

Formerly the Open University of Hong Kong, it was renamed in 2021, marking its comprehensive transition towards a teaching and research-oriented comprehensive university.

- **Strong Momentum:**
 - In the latest 2026 QS World University Rankings, HKMU is ranked **781-790**, making it the first self-financing and applied sciences university in Hong Kong to enter this list.
 - In the 2026 QS Asia University Rankings, it is ranked **393**, having jumped over 140 places from the previous year, demonstrating robust academic development potential.
- **Solid Research Strength:**
 - According to the 2022 SCImago Institutions Rankings, HKMU's global research capability ranking stands at **462nd** (among 9 Hong Kong institutions on the list).
 - It ranks among the global leaders in specific disciplines like Energy Science, and Industrial and Manufacturing Engineering.
 - In 2025, over **HK\$33 million** in research grants were awarded by the Research Grants Council, providing solid support for research activities.
- **Excellent School Support:**
 - Our group is based in the **School of Science and Technology**, which has a broad research scope covering AI, computer vision, IoT, blockchain, smart grids, biomedical engineering, and other cutting-edge areas.
 - The School boasts strong faculty, including Chair Professors,

Professors, and many researchers with PhDs from top universities worldwide, offering students a high-quality academic environment.

- **Unique Advantages of Studying in Hong Kong:**
 - Full English teaching and research environment, facilitating seamless transition to English-based programs and job opportunities (PhD, postdoc, research scientist, etc.) in other countries and regions.
 - Graduates are eligible for a 2-year IANG visa from the HK government, allowing them to stay unconditionally in Hong Kong to seek employment, study, or reside.
 - Time spent studying on-campus counts towards the total residency period (7 years) required for applying for Hong Kong permanent residency.

Choosing Hong Kong Metropolitan University means selecting a rapidly ascending academic platform that emphasizes application and innovation, laying a solid foundation for your future career, whether in academia or industry.

Research Directions

Our group focuses on high-quality research in the following (but not limited to) areas:

- Computational Photography and Computational Imaging
 - Image/Video Restoration, Enhancement, and Generation
 - Visual Applications for Event Cameras
 - Deep Learning and Generative AI Models
 - 3D Vision
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Admission Requirements

- Strong passion for scientific research, diligence, practicality, an exploratory spirit, and good teamwork skills.
 - Hold or will soon obtain a Bachelor's/Master's degree in Computer Science, Electronic Engineering, Mathematics, Data Science, or a related field. **Note: A Master's degree is required for the PhD program.**
 - Solid programming skills and mathematical foundation. Participation in relevant competitions is an advantage.
 - Prior research or project experience in computer vision or machine learning is preferred.
 - Meet the basic admission requirements of the HKMU Graduate School (including English language proficiency requirements).
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Benefits and Support

- Successful applicants will receive a **competitive postgraduate scholarship**, sufficient to cover tuition and living expenses (approximately **HK\$19,000 per month**).
 - Ample research funding support, including access to **high-performance computing resources** and **travel grants for attending top international academic conferences**.
 - Close collaboration with leading technology companies, providing valuable industry insights and potential internship opportunities.
 - Full support from the supervisor in research and career development within an innovative and harmonious team environment.
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How to Apply

We warmly welcome students with a strong interest in AI and computer vision research to join us! Applicants should apply through the official

website: <https://admissions.hkmu.edu.hk/rpg/>.

Interested applicants are also encouraged to contact **Dr. Jimmy S. Ren** directly via email with the following materials:

1. **Curriculum Vitae (CV):** Including educational background, research/project experience, publications (if any), awards, etc.
 2. **Academic Transcripts:** For undergraduate and (if applicable) Master's studies.
 3. **Statement of Purpose:** Briefly explaining your research interests, relevant experience, and reasons for applying to this group.
 4. **Other Supporting Materials:** Such as publications, links to personal projects, etc. (Optional).
- **Contact Email:** jren@hkmu.edu.hk
 - **Suggested Email Subject:** [PhD/MPhil Application] - [Your Name]
 - **Supervisor's Homepage:** www.jimmyren.com
 - **University Official Website:** www.hkmu.edu.hk
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