# ——— We WANT U———

PhDs/Postdocs/Scholars **at HKU** Computational Optics++ **Lab**

Dr. Evan Y. Peng is currently an Assistant Professor at the University of Hong Kong, affiliated with both EEE and CS departments. Before joining HKU, he was a Postdoctoral Research Scholar at **Stanford** University. Dr. Peng received his PhD in Computer Science from the Imager Lab, the **University of British Columbia**, both his MS and BS in Optical Science and Engineering from State Key Lab of Modern Optical Instrumentation, **Zhejiang University**.

Dr. Peng has been working on a family of *Neural + X* projects for *cameras, displays, microscopes, and rendering*. His unique and cross-disciplinary research has been well received in multiple professional communities (OPTICA, ACM SIGGRAPH, IEEE, SPIE, SID). He is also serving several professional roles, including but not limited to conference program chair, technical committee, reviewer, and session chair, in several academic venues. Dr. Peng was the winner of AsiaGraphics Young Researcher Award (2022), the IEEE VR Tech Significant New Researcher Award (2023), ICBS Frontiers of Sciences Award (2023), as well as SID (China) Outstanding Display Tech Young Talent of the Year Award (2024). Dr. Peng has been well connected to well-established research institutions globally, such as Stanford, Princeton, UBC, KAUST, CMU, Rice, UNC, ZJU, Tsinghua, Nvidia, MSR, Meta, Ford, Sony, Barco, Oppo, etc.

SHAPING LIGHT with Optics & Computer Science
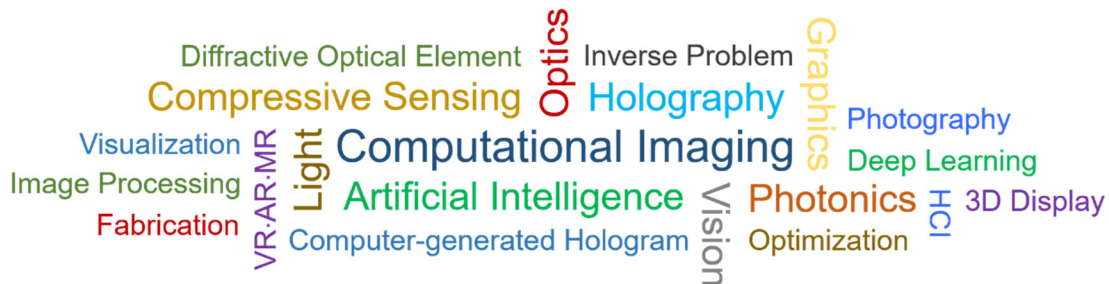
The research lies in the ***interdisciplinary*** field of *Optics, Graphics, Vision, and Artificial Intelligence*, particularly with the focus of: Computational Optics, Sensing, and Display; Holography & VR/AR/MR; Computational Microscope Imaging; Low-level Computer Vision; Inverse Rendering; Compressive Sensing; Human-centered Visual & Sensory Systems. Refer to https://hku.welight.fun/ for more details and recent publications.

The group of Dr. Peng at HKU (**WeLight@HKU**) has multiple openings for funded *Research Postgraduate Students* (**Ph.D.**, Spring/Fall 2026) and *Postdoctoral Researchers*.

Qualifications and how to apply: This is a field riding across *optics* and *computer science*. We are looking for *highly motivated* students with Bachelor's or Master's degree with science and engineering background, such as electrical engineering, computer science, physics, neuroscience, *etc*. Demonstration of track-record of academics and publication is highly appreciated. Candidates are welcome to contact Dr. Peng directly *via email* with CV and other supporting documents (representative work/reference list/ranking certificate) to discuss the positions further. Exceptional students will be recommended to apply for the HKU presidential Ph.D. scholarship (HKU-PS) and Hong Kong Ph.D. scholarship (HKPF). Refer to the *official HKU admission webpage* for details. For Postdocs/RAs, exact duty and report dates are *flexible and negotiable* by case.

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港大 WeLight Lab 诚招 博士、博士后、访问学者(生)

Yifan (Evan) Peng，香港大学 EEExCS 助理教授，Stanford 博士后，UBC 博士，ZJU 本硕。研究兴趣为**硬件-软件协同设计在成像、显示、感知、VRARMR 等领域的应用**。在计算机图形学、计算机视觉、光学等领域顶级期刊和会议发表数十篇论文，获 AsiaGraphics Young Researcher Award、ICBS Frontiers of Science Award、IEEE VR Tech Award (Significant New Researcher)、SID (China) Outstanding Display Tech Young Talent，担任 ACM SIGGRAPH Asia 2025 XR 程序主席、IEEE ISMAR 2023 Conference Papers 程序主席、图形学国际期刊《Computer & Graphics》编委等。发起计算光学新锐学术公众号 *IntelligentOptics*。近期海内外紧密合作顶校包括 Stanford, Princeton, Tsinghua, ZhejiangU, UCLA, SNU, CMU, etc. 课题组长期客座导师为 NAI, OPTICA, IEEE Fellow, 图形学成就奖获得者，PI 在 UBC 的博士导师 Wolfgang Heidrich。
https://hku.welight.fun/
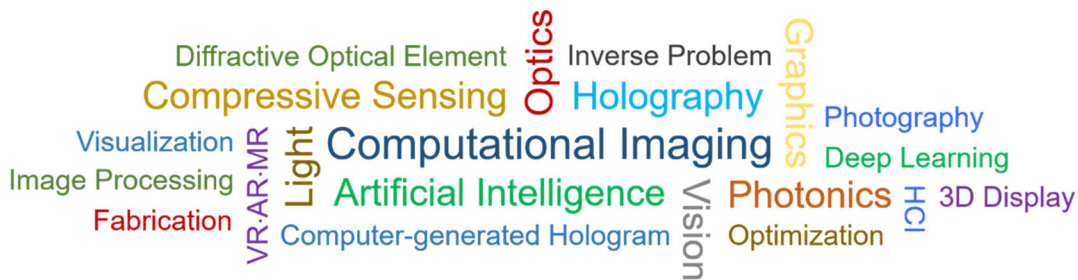
期望的要求:

- EE/CS/Phy.背景，一定的物理学/数学推导能力（数值优化）/高级语言编程基础（C/C++/Python/Matlab），尝试光学系统搭建和数据获取实验的意愿
- 博士之路不易，自驱力抗压力（参考 NC/SIGGRAPH/CVPR/Optica due）渴望从突破/结果中获得成就感，初创小组，绝非牛人，却也不能躺平
- 沟通和团队协作能力，软硬件结合的方向寻求实验室团战互惠互利
- 良好的英文听说读写基础（雅思 7+，托福 95+，组内 diversity buff 不低）
- HKU 全额奖学金另有对本科成绩和学校(专业)排名（C9/中上 985 前 20%）的要求，诸君请谨慎考量再联络 *（非常抱歉，游戏规则不完美却相对公平）*
- 软硬件结合的研究方向特殊性及 PI 能力有限，意向从事纯 AI/CV/DL/LLM 研究工作的请考虑选择港校其他更加对口且高产的研究组，祝好

你能得到的:

- 量不多但质拿得出手的 paper, e.g., SIGGRAPH/Optica/NC/CVPR(oral)/PAMI
- 软件与硬件，光学与计算机，跨学科系统性项目推进的能力培养（AI+X）
- 成员间互相学习、足够的信任和资源 support（mutual respect）
- 计算成像和图形学领域庞大 connection（出身和关系网还是重要的）
- 全球顶级名校的访学机会，学术圈顶级会议的参加机会（视界很重要）
- HK 得天独厚的中西方学术交流桥梁优势以及国际化都市张弛有度的生活质量

能力有限，名额不多，双方期望一人一事一议，互相尊重，彼此成就，期联~

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