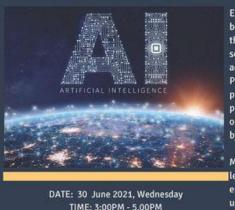
AESTHETICS-DRIVEN IMAGE ENHANCEMENT: FROM CLASSIC TO DEEP VISION All Sarawak university/college students & lecturers are invited



TIME: 3:00PM - 5.00PM AGENDA

- · Formulation of the image enhancement problem
- enhancement research
- · Classic image enhancement approaches
- · Deep learning-based image enhancement approaches
- · Challenges and opportunities in aesthetics-driven image

enhancement • Q&A

Everyday over 450 million photos and videos are being uploaded to Facebook and Instagram.With the large number of photos being shared on social media, there is a growing interest in aesthetics-driven image enhancement. Pioneering works of image enhancement aim to produce resulting images that mimic professional photographs by employing optimization-based techniques that are guided by selected photographic composition rules.

Moving forward, researchers then adopt the learning-based approach to learn an image enhancement model, with earlier approaches using traditional machine learning algorithms, and the more recent approaches employing deep learning networks. This talk first presents the formulation of the image enhancement problem, · Chronological development of the aesthetics-driven image followed by the chronological development of the aesthetics-driven image enhancement research, from classic to deep vision techniques, and concludes with the inherent challenges and opportunities.

| A | Dr. Wong graduated with a Ph.D. degree from National University of Singa Senior Lecturer at Multimedia University (MMU), where she leads the Cente She also provides consultations and trainings in the area of enterprise banking and insurance industry, industrial automation, and visual intelliger | er for Visual Computing. e programming for the |
|-------------|---|--|
| Q | Dr Wong's research at Multimedia University centers upon the quest o efficient algorithms for visual intelligence. She specializes primarily on a enhancement and assessment, and medical imaging. Her research work w reputable publications such as IEEE Transactions on Multimedia and won se the ITEX and PECIPTA Gold Awards | aesthetics-driven image as published in several |
| | She also serves as the Co-Chair or Organization Committee for several international workshops and conferences, such as the Workshop on Aesthetic and Technical Quality Assessment of Multimedia @ACM Multimedia 2020, and IEEE ICIP 2023. | |
| | REGISTER: https://innovate.dreamcatcher.asia/talks.html | |
| SUPPORTED B | Y | ORGANIZED BY |
| | Innovate Sarawak 2021 | dream |
| GEDEC | Industry 4.0 Online Guest Lecture Series | |
| | | |

SPEAKED DR WONG LAIKUAN

Aesthetics-Driven Image Enhancement: From Classic to Deep Vision

Guest Lecture by Innovate Sarawak will be on Aesthetics-Driven Image Enhancement: From Classic to Deep Vision. This talk will be presented by Dr Wong Lai Kuan from Multimedia University on Wednesday, 30 June 2021 from 3pm to 5pm. Free for all to attend.

Kindly register through this link: https://innovate.dreamcatcher.asia/talks.html

More information in the poster.