

AESTHETICS-DRIVEN IMAGE ENHANCEMENT: FROM CLASSIC TO DEEP VISION

All Sarawak university/college students & lecturers are invited



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, 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.

DATE: 30 June 2021, Wednesday
TIME: 3:00PM - 5:00PM

AGENDA

- Formulation of the image enhancement problem
- Chronological development of the aesthetics-driven image enhancement research
- Classic image enhancement approaches
- Deep learning-based image enhancement approaches
- Challenges and opportunities in aesthetics-driven image enhancement
- Q&A

SPEAKER: DR WONG LAI KUAN



Dr. Wong graduated with a Ph.D. degree from National University of Singapore. She is currently a Senior Lecturer at Multimedia University (MMU), where she leads the Center for Visual Computing. She also provides consultations and trainings in the area of enterprise programming for the banking and insurance industry, industrial automation, and visual intelligence.

Dr Wong's research at Multimedia University centers upon the quest of finding effective and efficient algorithms for visual intelligence. She specializes primarily on aesthetics-driven image enhancement and assessment, and medical imaging. Her research work was published in several reputable publications such as IEEE Transactions on Multimedia and won several awards, including the ITEX and PECIPTA Gold Awards

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.

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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.