

Al Study Group⁺ 2021



About Me (Thướng, Nguyễn Cảnh)



Digital Media Lab

Dept. Electrical Computer Engineering Sungkyunkwan University (Natural Science)

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Email: ngcthuong@skku.edu Phone: +82-31-290-7186 Mobile: +82-10-2532-9089 Nationality: Vietnamese

Place of birth: Bac Ninh, Vietnam



- Bachelor Degree in Telecommunication Engineering, 2007-2012
- Hanoi University of Science and Technology, Vietnam
 - 4G/LTE: Chanel estimation, MIMO, OFDM
 - Intelligence Transport System: car classification



- Master Degree in Electrical and Computer Engineering, 2012 2014
- Doctor Degree in Electrical and Computer Engineering, 2014 2019
- Sungkyunkwan University, South Korea
 - Compressive sensing: reconstruction, efficient sampling matrix
 - Image/video compression: video coding standard, light field coding
 - Applications of deep learning



- Postdoctoral researcher. 2019 2020
- Osaka University, Osaka, Japan
 - Computational photography: Visual privacy protection
 - Applications of deep learning









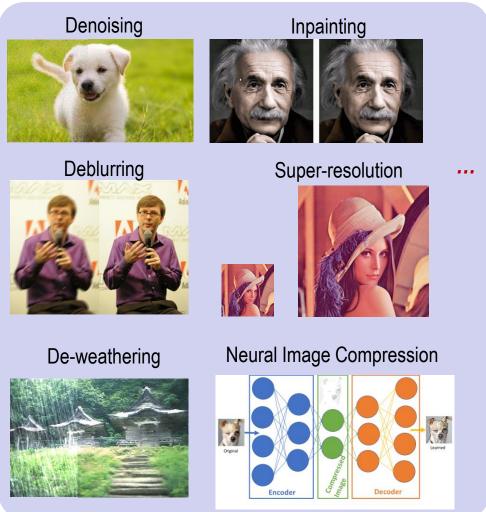


- Tencent Media Lab. standard team Since 2020
- Tencent America, Palo Alto, California.
 - Video compression standard
 - AV1, VVC/H.266 and beyond.

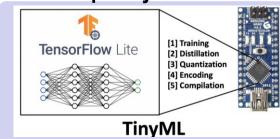


About "Us"

Computational Photography

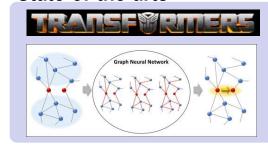


Low complexity /Efficient/ Real time

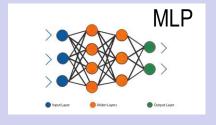




State-of-the-arts







Applications: visual privacy





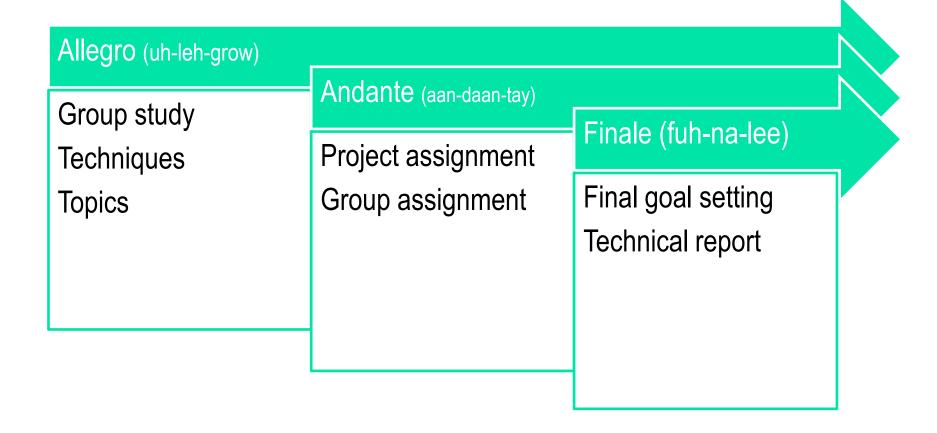




Topics: low level vision, low-complexity, state-of-the-arts, visual privacy

Schedule?

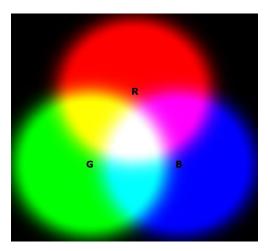
Goals: Research paper/ Technical report





Rules

- Groups: 2/3 teams
 - Practical vs academic
 - Topic based
 - Technique based





- Attendance rate: 80%
- Questions time:
 - Friday: 18:00 23:00 (PDT)