

DINGQUAN LI

(+86)18800102641 \diamond dingquanli@pku.edu.cn

<https://github.com/lidq92>

EDUCATION

Peking University

September 2015 - Present

Ph.D. Candidate, Applied Mathematics

School of Mathematical Sciences & Beijing International Center for Mathematical Research

Research Interests: Image/Video Quality Assessment & Perceptual Optimization

Advisors: Prof. Ming Jiang (Chang Jiang Scholar) & Prof. Tingting Jiang

Nankai University

September 2011 - June 2015

Bachelor of Engineering, Electronics Science and Technology

Bachelor of Science, Mathematics and Applied Mathematics

PUBLICATIONS

Dingquan Li, Tingting Jiang, Weisi Lin, Ming Jiang. 2019. Which Has Better Visual Quality: The Clear Blue Sky or a Blurry Animal?

IEEE Transactions on Multimedia (TMM)

SCI JCR Q1, IF=5.452; EI; CCF B

Dingquan Li, Tingting Jiang, Ming Jiang. 2019. Quality Assessment of In-the-Wild Videos.

ACM International Conference on Multimedia (MM)

EI; CCF A

Dingquan Li, Tingting Jiang, Ming Jiang. 2017. Exploiting High-Level Semantics for No-Reference Image Quality Assessment of Realistic Blur Images.

ACM International Conference on Multimedia (MM)

EI; CCF A

Dingquan Li, Tingting Jiang. 2019. Blur-Specific No-Reference Image Quality Assessment: A Classification and Review of Representative Methods.

Proceedings of the International Conference on Sensing and Imaging EI; Invited Chapter

Dingquan Li, Tingting Jiang, Ming Jiang. 2019. Recent Advances and Challenges in Video Quality Assessment.

ZTE Communications

Invited Paper

Qin He, **Dingquan Li**, Tingting Jiang, Ming Jiang. 2018. Quality Assessment for Tone-Mapped HDR Images Using Multi-Scale and Multi-Layer Information.

International Conference on Quality of Multimedia Experience (ICME) Workshop

EI

SUBMITTED PAPERS

Dingquan Li, Tingting Jiang, Ming Jiang. 2019. Unified Quality Assessment of In-the-Wild Videos with Mixed Datasets Training

Under Review, International Journal of Computer Vision (IJCV)

Dingquan Li, Tingting Jiang, Ming Jiang. 2020. Norm-in-Norm Loss with Faster Convergence and Better Performance for Image Quality Assessment.

Under Review, the 28th ACM International Conference on Multimedia

Yuwen Li, **Dingquan Li**, Tingting Jiang. 2020. Rank-based Image Quality Assessment for Image Enhancement.

Under Review, the 28th ACM International Conference on Multimedia

WORKING EXPERIENCE

Research Assistant, National Engineering Laboratory for Video Technology 2015 - Present

- Working on image/video quality assessment with Prof. Ming Jiang and Prof. Tingting Jiang

Teaching Assistant, Peking University

Mar. 2016 - Jan. 2019

- Mathematical Analysis; Advanced Mathematics; Set Theory and Graph Theory; Computer Graphics

Student Assistant, Peking University

2017 - Present

- Editing and maintaining the L^AT_EX template for the journal Advance in Mathematics (China)
- Background maintenance for the website of School of Mathematical Sciences

COLLABORATION

Rapid-Rich Object Search (ROSE) Lab, Nanyang Technological University

July 2017

- Working on image quality assessment with Prof. Weisi Lin

PRESENTATION

The 27th ACM International Conference on Multimedia

Oct. 21-25, 2019

- Oral presentation: Quality Assessment of In-the-Wild Videos

The 34th Academic Luncheon, School of Mathematical Sciences, Peking Uni.

Oct. 2018

- Invited talk: Which Has Better Visual Quality: The Clear Blue Sky or a Blurry Animal?

The 3rd PKU-NTU Workshop on AI+

Oct. 13-14, 2018

- Invited talk: Which Has Better Visual Quality: The Clear Blue Sky or a Blurry Animal?

IEEE International Conference on Multimedia and Expo (ICME) 2018

July 23-27, 2018

- Oral presentation: Quality Assessment for Tone-Mapped HDR Images Using Multi-Scale and Multi-Layer Information

The 25th ACM International Conference on Multimedia

Oct. 23-27, 2017

- Poster presentation: Exploiting High-Level Semantics for No-Reference Image Quality Assessment of Realistic Blur Images

ACADEMIC SERVICES

Reviewer of TIP, TMM, TCSVT, etc. & Secondary Reviewer of CVPR, ICCV, AACL, ACM MM, etc.

HONORS AND AWARDS

2019-2020 BICMR Mathematical Scholarship for Graduate Students & President Scholarship

2018-2019 President Scholarship & Academic Innovation Award & Leo KoGuan Scholarship

2017-2018 National Scholarship & Merit Student & Outstanding Individual of NELVT

2016-2017 CreditEase Internet Finance Scholarship

2015-2016 Dean Scholarship

2011-2015 National Encouragement Scholarship (3 times) & Merit Student (2 times), etc.

TECHNICAL STRENGTHS

Software: L^AT_EX, Python, MATLAB, C++, Git, Bash

Deep Learning Framework: PyTorch, Keras, Caffe, Theano