



New Trends in Image Restoration and Enhancement Workshop

Conference on Computer Vision and Pattern Recognition, Nashville, US, June 19th 2021

presents

Winner Award

in

NTIRE 2021 Challenge on Nonhomogeneous Dehazing

to the Authors



Minghan Fu, Huan Liu, Yankun Yu, Jun Chen, Keyan Wang

McMaster University
Xidian University





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to the Authors



Jerome Chang

National University of Taiwan





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Runner-Up Award

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to the Authors



**Yankun Yu, Huan Liu, Minghan Fu, Jun Chen,
Xiyao Wang, Keyan Wang**

McMaster University
University of Chinese Academy of Sciences
Xidian University





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Jing Liu, Yi Xu, Xinjian Zhang, Minyi Zhao, Shuigeng Zhou

Bilibili Inc.
Fudan University





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Winner Award

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NTIRE 2021 Challenge on Defocus Deblurring using
Dual-Pixel Images



to the Authors

Dafeng Zhang, Xiaobing Wang

Samsung Research China – Beijing (SRC-B)





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2nd Place Award

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NTIRE 2021 Challenge on Defocus Deblurring using
Dual-Pixel Images



to the Authors

**Syed Waqas Zamir, Aditya Arora, Salman Khan,
Munawar Hayat, Fahad Shahbaz Khan, Ling Shao**

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3rd Place Award

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to the Authors

Shuai Liu, Lei Lei, Chaoyu Feng

North China University of Technology
Xiami, China





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Winner Award

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NTIRE 2021 Challenge on Depth Guided Image Relighting:
Track 1



to the Authors

Hao-Hsiang Yang, Wei-Ting Chen, Hao-Lun Luo, Sy-Yen Kuo

ASUS Intelligent Cloud Services, ASUSTeK Computer Inc
Graduate Institute of Electronics Engineering, National Taiwan University

Department of Electrical Engineering, National Taiwan University





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Track 1



to the Authors

Amirsaeed Yazdani, Tiantong Guo, Vishal Monga

The Pennsylvania State University,
School of Electrical Engineering and Computer Science,
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Department of Electrical Engineering, National Taiwan University





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**Fu Li, Ruifeng Deng, Tianwei Lin,
Songhua Liu, Xin Li, Dongliang He**

Department of Computer Vision (VIS), Baidu





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NTIRE 2021 Challenge on Depth Guided Image Relighting:
Track 2



to the Authors

Zhipeng Luo, Zhiguang Zhang, Jianye He

DeepBlue Technology (Shanghai) Co., Ltd, China





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to the Authors

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NTIRE 2021 Challenge on Perceptual Image Quality Assessment



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**Manri Cheon, Sungjun Yoon,
Byungyeon Kang, Junwoo Lee**

LG Electronics





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**Qing Zhang, Haiyang Guo, Yi Bin,
Yuqing Hou, Hengliang Luo**

Meituan Group





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Jingyu Guo, Zirui Wang, Hai Wang, Wenming Yang

Department of Electronic Engineering, Tsinghua University
Shenzhen International Graduate School





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NTIRE 2021 Challenge on Image Deblurring:
Track 1 Low Resolution



to the Authors

**Zhiwei Xiong, Ruikang Xu, Zeyu Xiao,
Jie Huang, Yueyi Zhang**

University of Science and Technology of China





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NTIRE 2021 Challenge on Image Deblurring:
Track 1 Low Resolution



to the Authors

Si Xi, Jia Wei

Netease Games AI Lab





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NTIRE 2021 Challenge on Image Deblurring:
Track 2 JPEG Artifacts



to the Authors

**Liangyu Chen, Jie Zhang, Xin Lu,
Xiaojie Chu, Chengpeng Chen**

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Fudan University, China

Peking University, China





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Track 2 JPEG Artifacts



to the Authors

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Track 2 JPEG Artifacts



to the Authors

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to the Authors

**Zhihong Pan, Tianwei Lin, Wenhao Wu,
Dongliang He, Baopu Li, Boyun Li, Teng Xi,
Gang Zhang, Jingtuo Liu, Junyu Han, Errui Ding**

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to the Authors

Xiaobing Wang, Dafeng Zhangr

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Winner Award

in

NTIRE 2021 Challenge on Multi-modal Aerial View Object Classification:
Track 1 SAR



to the Authors

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Songzheng Xu, Yuxuan Sun, Jiaqi Tang**

Chang'an Campus, Northwestern Polytechnical University, Xi'an, Shaanxi Province, China





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2nd Place Award

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NTIRE 2021 Challenge on Multi-modal Aerial View Object Classification:
Track 1 SAR



to the Authors

Gongzhe Li, Zhiwen Tan, Linpeng Pan

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Track 1 SAR



to the Authors

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in

NTIRE 2021 Challenge on Multi-modal Aerial View Object Classification:
Track 2 EO + SAR



to the Authors

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Xidian University, China





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2nd Place Award

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NTIRE 2021 Challenge on Multi-modal Aerial View Object Classification:
Track 2 EO + SAR



to the Authors

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3rd Place Award

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Track 2 EO + SAR



to the Authors

Casian Miron, Alexandru Pasarica

Technical University of Iasi, Romania





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Honorable Mention Award

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to the Authors

**Cheng-Yen Yang, Hung-Min Hsu, Jiarui Cai,
Jie Mei, Chia-Ying Yeh, Jenq Neng Hwang**

University of Washington, USA





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Winner Award

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NTIRE 2021 Challenge on Learning the Super-Resolution Space

to the Authors



Younggeun Kim, Seungjun Lee, Donghee Son

Seoul National University

University of Ulsan College of Medicine, Asan Medical Center

Lomin Inc.





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to the Authors



Younghyun Jo, Sejong Yang, Seon Joo Kim

Yonsei University, Korea





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to the Authors



**Qianyu Wu, Aichun Zhu,
Yuchen Lei, Jiaxin Zou, Yang Chen**

School of Computer Science and Technology, Nanjing Tech University, China
The Laboratory of Image Science and Technology, Southeast University, China





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to the Authors



Sicheng Pan, Laiyun Gong, Zhen Yuan, Qingrui Han

Zhejiang University, China
NetEase YunXin





New Trends in Image Restoration and Enhancement Workshop

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Winner Award

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NTIRE 2021 Challenge on Quality Enhancement of Compressed Video:
Track 1 (fixed QP, fidelity)



to the Authors

**Jing Liu, Yi Xu, Xinjian Zhang,
Minyi Zhao, Shuigeng Zhou**

Bilibili Inc.
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to the Authors

**Kelvin C.K. Chan, Shangchen Zhou,
Xiangyu Xu, Chen Change Loy**

S-Lab, Nanyang Technological University, Singapore





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2nd Place Award

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Department of Computer Vision Technology (VIS), Baidu Inc., Beijing, China





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to the Authors

**Fenglong Song, Yibin Huang, Matteo Maggioni,
Zhongqian Fu, Shuai Xiao, Cheng li, Thomas Tanay**

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to the Authors

**Shijie Zhao, Xiaopeng Sun, Yiting Liao, Yuanzhi Zhang,
Qing Wang, Gen Zhan, Mengxi Guo, Junlin Li**

ByteDance Ltd., Shenzhen, China





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in

NTIRE 2021 Challenge on Quality Enhancement of Compressed Video:
Track 2 (fixed QP, perceptual)



to the Authors

**Dewang Hou, Jiayu Yang, Lyn Jiang,
Di You, Zhenyu Zhang, Chong Mou**

Peking university, Shenzhen, China
Tencent, Shenzhen, China





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Winner Award

in

NTIRE 2021 Challenge on Quality Enhancement of Compressed Video:
Track 3 (fixed bit-rate, fidelity)



to the Authors

**Kelvin C.K. Chan, Shangchen Zhou,
Xiangyu Xu, Chen Change Loy**

S-Lab, Nanyang Technological University, Singapore





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Track 3 (fixed bit-rate, fidelity)



to the Authors

**Wentao Chao, Qiang Guo, Yan Liu,
Jiang Li, Xiaochao Qu**

MTLab, Meitu Inc., Beijing, China





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to the Authors

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HiSilicon (Shanghai) Technologies Co., Ltd, Shanghai, China





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Winner Award

in

NTIRE 2021 Challenge on Burst Super-Resolution:
Track 1 Synthetic



to the Authors

**Xueyi Zou, Magaiya Zhussip, Pavel Ostyakov,
Ziluan Liu, Youliang Yan**

Noah's Ark Lab, Huawei
CBG AITA, Huawei





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Runner-Up Award

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NTIRE 2021 Challenge on Burst Super-Resolution:
Track 1 Synthetic



to the Authors

**Lanpeng Jia, Ziwei Luo, Lei Yu, Xuan Mo, Youwei Li,
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Megvii Technology

University of Electronic Science and Technology of China





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NTIRE 2021 Challenge on Burst Super-Resolution:
Track 2 Real-World



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Bruno Lecouat, Jean Ponce, Julien Mairal

Inria, France





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to the Authors



Takahiro Maeda, Kazutoshi Akita, Takeru Oba, Norimichi Ukita

Toyota Technological Institute, Japan





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Winner Award

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NTIRE 2021 Challenge on Video Super-Resolution:
Track 1 Spatial



to the Authors

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Xiangyu Xu, Chen Change Loy**

S-Lab, Nanyang Technological University, Singapore





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2nd Place Award

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NTIRE 2021 Challenge on Video Super-Resolution:
Track 1 Spatial



to the Authors

**Chuming Lin, Yuchun Dong, Boyuan Jiang, Donghao Luo,
Siqian Yang, Ying Tai, Chengjie Wang, Jilin Li, Feiyue Huang**

YouTu Lab, Tencent
East China Normal University





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NTIRE 2021 Challenge on Video Super-Resolution:
Track 1 Spatial



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**Chengpeng Chen, Xiaojie Chu, Jie Zhang,
Xin Lu, Liangyu Chen**

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Track 1 Spatial



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HiSilicon (Shanghai) Technologies Co., Ltd., China





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Track 1 Spatio-Temporal



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Chengjie Wang, Jilin Li, Feiyue Huang**

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Track 1 Spatio-Temporal



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Gen Zhan, Mengxi Guo, Junlin Li**

ByteDance
Sun Yat-Sen University, China





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Winner Award

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NTIRE 2021 Challenge on High Dynamic Range Imaging:
Track 1 (single frame)



to the Authors

Xian Wang, Yong Li, Tao Wang, Fenglong Song

Huawei Noah's Ark Lab





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to the Authors

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Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences





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Track 1 (single frame)



to the Authors

Guannan Chen, Mengdi Sun, Yan Gao, Lijie Zhang

BOE Technology Co., Ltd.





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Winner Award

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NTIRE 2021 Challenge on High Dynamic Range Imaging:
Track 2 (multiple frames)



to the Authors

**Zhen Liu, Wenjie Lin, Xinpeng Li, Qing Rao, Ting Jiang,
Mingyan Han, Haoqiang Fan, Jian Sun, Shuaicheng Liu**

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to the Authors

Evelyn Yi Lyn Chee, Shanlan Shen, Yubo Duan

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