Seungjun Nah

Contact Information

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Education

March 2014 - Present	Seoul National University Integrated Ph. D. program in School of Electrical and Computer Engineering Advisor: Kyoung Mu Lee
March 2010 - February 2014	Seoul National University B.S. in School of Electrical and Computer Engineering

Publications (Selected)

• Sanghyun Son, Jaerin Lee, **Seungjun Nah**, Radu Timofe and Kyoung Mu Lee *et al.*, "AIM 2020 Challenge on Video Temporal Super-Resolution," 2nd AIM in ECCVW 2020 [pdf]

• **Seungjun Nah**, Sanghyun Son, Radu Timofe and Kyoung Mu Lee *et al.*, "NTIRE 2020 Challenge on Image and Video Deblurring," 5th NTIRE in CVPRW 2020 [pdf]

• **Seungjun Nah**, Sanghyun Son, Radu Timofe and Kyoung Mu Lee *et al.*, "AIM 2019 Challenge on Video Temporal Super-Resolution: Methods and Results," 1st AIM in ICCVW 2019 [pdf]

• **Seungjun Nah**, Sungyong Baik, Seokil Hong, Gyeongsik Moon, Sanghyun Son, Radu Timofte, and Kyoung Mu Lee, "NTIRE 2019 Challenge on Video Deblurring and Super-Resolution: Dataset and Study," 4th NTIRE in CVPRW 2019. [pdf]

• **Seungjun Nah**, Sanghyun Son, and Kyoung Mu Lee, "Recurrent Neural Networks with Intra-Frame Iterations for Video Deblurring," In CVPR 2019. [pdf]

• Sanghyun Son, **Seungjun Nah**, and Kyoung Mu Lee, "Clustering Convolutional Kernels to Compress Deep Neural Networks," In ECCV 2018. [pdf]

• Tae Hyun Kim, **Seungjun Nah**, and Kyoung Mu Lee, "Dynamic Video Deblurring using a Locally Adaptive Linear Blur Model," In PAMI 2018. [pdf]

• Bee Lim, Sanghyun Son, Heewon Kim, **Seungjun Nah**, and Kyoung Mu Lee, "Enhanced Deep Residual Networks for Single Image Super-Resolution," 2nd NTIRE in CVPRW 2017. (**Challenge Winner, Workshop Best Paper**) [pdf]

• **Seungjun Nah**, Tae Hyun Kim, and Kyoung Mu Lee, "Deep Multi-scale Convolutional Neural Network for Dynamic Scene Deblurring," In CVPR 2017. (**Spotlight**) [pdf]

• **Seungjun Nah** and Kyoung Mu Lee, "Random Forest with Data Ensemble for Saliency Detection," In APSIPA 2015.

Scholarships

• Youlchon AI Star Scholarship, Youlchon Foundation, 2020
• Ph. D. Scholarship, Max Planck Society, 04.2019 - 10.2019
• Electrical Engineering and Computer Science Graduate Student program, Korea Foundation for Advanced Studies, 2014 - 2018
• National Scholarship for Science & Engineering, Korea Student Aid Foundation, 2010 - 2013

Awards and Honors

• Outstanding reviewer: ECCV 2020
• Outstanding reviewer: ICCV 2019
• Highly cited paper award: Department of ECE, SNU, 2018
• AWS Cloud Credits for Research, 2018
• Challenge winner & Best paper: NTIRE 2017 Challenge on Single Image Super-Resolution
• Microsoft Azure Research Award, 2017

Experiences

• Guest Scientist, Max Planck Institute for Intelligent Systems, Tübingen, Germany, 04.2019 - 10.2019
• Research Intern, Microsoft Research, Redmond, WA, USA, 05.2017 - 08.2017

Community Activities

• Conference reviewer: CVPR, ICCV, ECCV, SIGGRAPH Asia
• Journal reviewer: IJCV, TNNLS, TMM, TIP, TVCJ, STSP, SPL
• Workshop co-organizer: NTIRE 2019, 2020, 2021. AIM 2019, 2020

Research Interests

I am interested in deep learning and low-level computer vision problems, especially visual quality enhancement. My recent research topics include deblurring, super-resolution, neural network compression and acceleration.

References

Advisor Prof. Kyoung Mu Lee
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