Dahun Kim

CONTACT INFORMATION

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RESEARCH INTERESTS

- Deep Learning
- Computer Vision
- Video

RESEARCH EXPERIENCES

Adobe Research, San Jose, California
Research Intern, Internet Graphics Group — Jun 2019 – Sep 2019

KAIST, Daejoen, Korea
Research Assistant, Robotics and Computer Vision Lab. — Mar 2016 – Present

PUBLICATIONS

International Journal

1. **Dahun Kim***, Sanghyun Woo*, Joon-Young Lee, and In So Kweon, "Recurrent Temporal Aggregation Framework for Deep Video Inpainting" , *IEEE Transactions on Pattern Analysis and Machine Intelligence* (**TPAMI**), under major revision.

International Conference

1. **Dahun Kim***, Sanghyun Woo*, Joon-Young Lee, and In So Kweon, "Deep Video Inpainting", *In Proc. of IEEE Conference on Computer Vision and Pattern Recognition* (**CVPR**), Jun 2019.
2. **Dahun Kim***, Sanghyun Woo*, Joon-Young Lee, and In So Kweon, "Deep Blind Video Decaptioning by Temporal Aggregation and Recurrence", *In Proc. of IEEE Conference on Computer Vision and Pattern Recognition* (**CVPR**), Jun 2019.
3. **Dahun Kim**, Donghyeon Cho, and In So Kweon, "Self-Supervised Video Representation Learning with Space-Time Cubic Puzzles" *In Proc. of Association for the Advancement of Artificial Intelligence* (**AAAI**) [oral], Jan 2019.
4. Yunjae Jung, Donghyeon Cho, **Dahun Kim**, Sanghyun Woo, and In So weon, "Discriminative Feature Learning for Unsupervised Video Summarization" *In Proc. of Association for the Advancement of Artificial Intelligence* (**AAAI**) [oral], Jan 2019.
5. Sanghyun Woo*, **Dahun Kim***, Donghyeon Cho, and In So Kweon, "LinkNet: Relational Embedding for Scene Graph", *In Proc. of Neural Information Processing Systems* (**NIPS**), Dec 2018.
6. **Dahun Kim**, Donghyeon Cho, Donggeun Yoo, and In So Kweon, "Learning Image Representations by Completing Damaged Jigsaw Puzzles", *In Proc. of IEEE Winter Conference on Application of Computer Vision* (**WACV**) [oral], Mar 2018.
7. **Dahun Kim**, Donghyeon Cho, Donggeun Yoo, and In So Kweon, "Two Phase Learning for Weakly Supervised Object Localization", *IEEE Inter national Conference on Computer Vision* (**ICCV**), Oct 2017.

EDUCATION

KAIST, Daejeon, Korea

Ph.D. Student, Electrical Engineering, Mar 2018 - Aug 2021 (Expected)

- Advisor: Prof. In So Kweon

M.S., Electrical Engineering, Feb 2018

- Thesis: "Reducing Human Supervision in Supervised Learning"
- Advisor: Prof. In So Kweon

B.S., Electrical Engineering, Feb 2016

- Received full scholarship

REVIEWER

- IEEE International Conference on Computer Vision (ICCV) 2019

AWARDS

- Honorable mention, 25th HumanTech Paper Award, Samsung Electronics Co., Ltd. Feb 2019
- Best Paper Award (Bronze Prize), IPIU 2019 Feb 2019
- 1st Place Winner in ECCV Chalearn LAP 2018 challenge track2 Sep 2018

HONORS

- Global Ph.D. Fellowship, National Research Foundation of Korea Aug 2018 - Present (about 20K USD/year + Full scholarship for 2+1 years)
- International Computer Vision Summer School (ICVSS 2018), Sicily, Italy July 2018

IT SKILLS

- Languages: Python, MATLAB
- Deep Learning Framework: Pytorch, Caffe

Last Update: 2019/05/14