

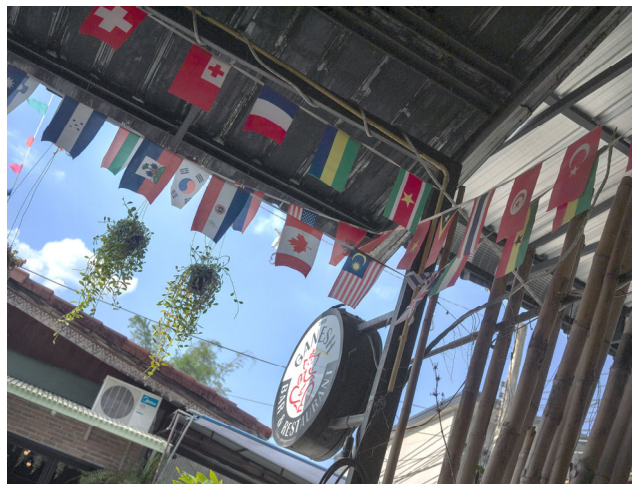
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| Research Topic | Exposure compensation from single image using HDR syntheses | Faculty of Information Science and Technology |
| Host University | Sirindhorn International Institute of Technology, Thammasat University / Pathum Thani / Thailand | Department of Media Science |
| Duration | From August 12 to November 17, 2019 | KAWAMORI Keitaro |

Summary of the Research Activities

I study an exposure compensation method from single images using HDR syntheses. Digital cameras have a limited dynamic range, that is smaller than one in the real world. This is why a picture will often turn out to be overexposed or underexposed. HDR technique solves this problem by synthesizing the multi-exposure images. However, HDR can not be applied to pictures without multi-exposure images. The proposed method improves pictures with unsuitable exposure from a single image. It makes the pseudo multi-exposure images using the information of edge of the input image, and synthesizes them. The proposed method show effectiveness in recovering a images. I thank my friends and the professor for advice during my stay.



Input image



output image

College Life, Friends and Others

I often went sightseeing on my holidays. I enjoyed watching historic buildings such as the “Wat Arun” . And I did join the local festival “khom loi” with my friends. That became a wonderful memory for me.



Wat Arun



Khom Loi

指導教員講評

海外留学のこの経験が今後の研究に生かされるのを期待する。

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