Profile

|  |  |
| --- | --- |
| Full Name | Md Sifatul Islam |
| Nationality | Bangladesh |
| Master course | September 2017 – December 2019  Optical Information Processing Lab (OIP), Chungbuk National University |
| Supervisor | Prof. Nam Kim |
| Research field | Computer Generated Holography (CGH), Digital holography |

# International Journal

1. **(SCI)** Quality enhancement and GPU acceleration for a full-color holographic system using a relocated point cloud gridding method ”, YU ZHAO, KI-CHUL KWON, MUNKH-UCHRAL ERDENEBAT, **MD-SIFATUL ISLAM**, SEOK-HEE JEON, NAM KIM, Optical Society of America(OSA), APPLIED OPTICS, Vol. 57, No. 15, 2018.05.20, pp4253~4262

# International Conference

1. “Rapid calculation of full-color holographic system with real objects using relocated point cloud gridding method”, Yu Zhao, **Md-Sifatul Islam**, Shahinur Alam, Seok-Hee Jeon, Nam Kim, Optical Society of America (OSA), Imaging and Applied Optics Congress, 2018.06.24. ~2018.06.29, ppJTu4A.2, Orlando, Florida United States
2. “Faster Computation of Elemental Image Generation for Real-Time 3D Integral Imaging System Using Graphics Processing Unit and Multi-Directional Projection Scheme”, Md. Ashraful Alam, Mahfuze Subhani, **Md. Sifatul Islam**, Mohd. Zishan Tareque, M. Rashidur Rahman Rafi, Md. Shahinur Alam, Nam Kim, SPIE, Photonics West 2019, 2019.02.02. ~2019.02.07, San Francisco, USA
3. “Faster Hologram Generation and reconstructed image quality enhancement using Distributed Wavefront Recording Planes **”, Md Sifatul Islam**, Yang-Ling Piao, Md. Shahinur Alam, Young-Tae Lim, Kwon-Yeon Lee, Nam Kim, OSK-OSA-OSJ Joint, Optics and Photonics Congress 2019, 2019.07.14.~2019.07.17, pp210, 부산
4. “Enhancement of reconstructed image quality and calculation speed for multiple wavefront recording method”, **Md Sifatul Islam**, Yu Zhao, Erkhembaatar Dashdavaa, Yan-Ling Piao, Seok-Hee Jeon, Nam Kim, The Korean Information Display Society, 19th International Meeting on Information Display, 2019.08.27.~2019.08.30, pp434, 경주

# Paper currently under processing

1. **(SCI)** “A max-depth-range technique for faster full-color hologram generation”, **Md Sifatul Islam**, Yan-Ling Piao, Yu Zhao, Ki-Chul Kwon, Eunjin Cho,and Nam Kim, Optical Society of America(OSA), APPLIED OPTICS