Salman Siddique Khan

Contact Information

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Research Interest

My field of research is Computational Imaging which incorporates designing new imaging systems and computational techniques that extend the capabilities of conventional cameras. In particular, I am interested in developing algorithms based on Optics, Signal Processing and Machine Learning that make these computational imaging systems work.

Education

2018-Present	Ph.D.,**Indian Institute of Technology Madras**, India Department: Electrical Engineering Advisor: Prof. Kaushik Mitra
2014-2018	BTech(Honors), **National Institute of Technology Rourkela**, India Department: Electronics and Instrumentation Engineering

Research Experience

May-Nov 2019	Research Associate at Rice University, Houston, Texas, USA Worked on design of privacy preserving cameras using learning based techniques
Summer 2017	Summer Intern at Indian Institute of Space Science and Technology, Trivandrum, India Developed active learning based image classification and object detection algorithms.
Summer 2016	Summer Intern at Indian Statistical Institute, Kolkata, India Worked on segmentation of histopathological images

Publications

- **Towards Photorealistic Reconstruction of Highly Multiplexed Lensless Images**, ICCV 2019, Seoul, Korea. **(Oral)**
- **CAnOPIC: Pre-Digital Privacy-Enhancing Encodings for Computer Vision**, ICME 2020, London, UK. **(Oral)**

Teaching Experience

- Teaching Assistant **EE 5176 Computational Photography,** IIT Madras Spring 2019
- Teaching Assistant **EE 1101 Signals and Systems,** IIT Madras Spring 2020

Professional Service

Reviewer (Journal)

- OSA Optics Express

- OSA Continuum

Achievements And Awards

- Awarded the Qualcomm Innovation Fellowship India 2020-21.
- Awarded Google Travel Grant to attend ICCV 2019 at Seoul, South Korea.
- National Finalist in NIYANTRA 2017 Annual Student Design Contest
- National Finalist in e-Yantra 2016 Robotics Challenge

Computational Skills

Softwares:	NI Multisim, NI LabView.
Libraries:	PyTorch, TensorFlow
Languages:	Python, MATLAB, C, C++, Verilog HDL

Workshops Attended

- 3rd Summer School on Computer Vision held at IIIT Hyderabad from July 2 to July 7 2018
- 3rd Summer School on Computer Vision, Graphics and Image Processing held at ECSU, ISI Kolkata from June 1 to July 15 2016