Kanchana Vaishnavi Gandikota, 31.07.1990, Female

Institute: Computer Vision Group
Dept. for Electrical Engineering & Computer Science
University of Siegen, Germany

Address: Max-Liebermann-Weg 1
57076 Siegen, Germany

Phone: +49 160 91396809
Email: kanchana.gandikota@uni-siegen.de
Website: kvgandikota.github.io
G. Scholar: h-index: 4, citations: 25 (retrieved 10 June 2023)

Education	**2007 – 2011:** Bachelor, Electronics and Communication Engineering Sri Venkateswara University, Tirupati, India **2011 – 2015:** Master of Science, Electrical Engineering, Indian Institute of Technology Madras, India GPA 9.2/10 **Supervisor:** Prof. Dr. K. Giridhar **2018 – 2019:** Completed 35 credits towards Masters in Informatik with GPA 1.2 University of Siegen, Germany **2019 – 2023:** PhD in Computer Science, University of Siegen, Germany **Supervisor:** Prof. Dr. Michael Moeller
Research Interests	Deep Learning, Robustness, Computer Vision, Optimization
Projects	**2022 – 2023 :** Adversarial robustness of CT recovery, Text guided image recovery **2021 – 2022:** Group invariant image classification, Text guided image editing, Adversarial Robustness of image deblurring **2019 – 2020 :** Deep generative models for light fields, Single image reflection separation. **2012 – 2014:** Wireless channel estimation, Co-channel interference mitigation for down-link OFDM systems.
Publications	1 Journals, 7 Conference Papers (peer-reviewed)
Coding Skills	Python, MATLAB, C++, PyTorch
Teaching Experience	Teaching assistant Numerical Methods for Visual Computing 2019 co-supervised 5 masters projects in computer vision (2020 - 2023) co-supervised 2 bachelor theses in wireless communications (2012-2014)
Professional services	Reviewer IEEE Sensors Journal 2022, ACCV 2022, CVPR 2023, ICCV 2023
Personal Details	Indian, Married, 1 child

Publications

- Journal Publications
  - P. Chandramouli*, **K. V. Gandikota***, A. Goerlitz, A. Kolb, M. Moeller "Generative models for generic light field reconstruction," *IEEE Transactions on Pattern Analysis and Machine Intelligence* April 2022.

- Conference Publications
  - **K. V. Gandikota**, P. Chandramouli, H. Droege, M. Moeller "Evaluating Adversarial Robustness of Low dose CT Recovery," *Proc. Medical Imaging with Deep Learning (MIDL)*, 2023
  - **K. V. Gandikota***, P. Chandramouli*, "Exploring Open Domain Image Super-Resolution through Text", in *ICML Workshop on Artificial Intelligence & Human-Computer Interaction*, 2023 (accepted).
  - **K. V. Gandikota**, J. Geiping, Z. Lähner, A. Czapliński, Michael Moeller " A Simple Strategy to Provable Invariance via Orbit Mapping," *Proc. Asian Conference on Computer Vision (ACCV)*, 2022
  - P. Chandramouli, **K. V. Gandikota** "LDEdit: Towards Generalized Text Guided Image Manipulation via Latent Diffusion Models," *Proc. British Machine Vision Conference (BMVC)*, 2022.
  - **K. V. Gandikota**, P. Chandramouli, M. Moeller "On Adversarial Robustness of Deep Image Deblurring," *Proc. IEEE International Conference on Image Processing ICIP()*, 2022.
  - G. Hegde*, A. N. Ramesh*, **K. V. Gandikota***, R. Obermaisser, M. Moeller "A Simple Domain Shifting Network for Generating Low Quality Images" *Proc. 25th International Conference on Pattern Recognition (ICPR)*, 2020
  - P. Chandramouli, **K. V. Gandikota** "Blind single image reflection suppression for face images using deep generative priors," *Proc. IEEE International Conference on Computer Vision Workshops (ICCVW)*, 2019.

- Preprints
  - **K. V. Gandikota***, P. Chandramouli* "Text Guided Explorable Image Restoration," *Conference submission under review*, 2023.