

Neural Cameras



Zhixiang Wang



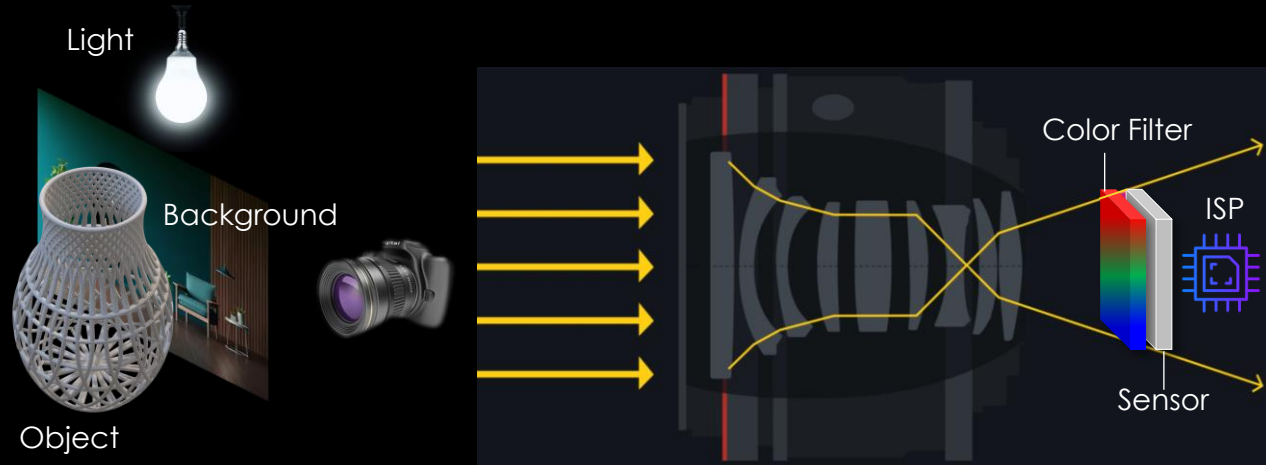
Shin'ichi Satoh



NII

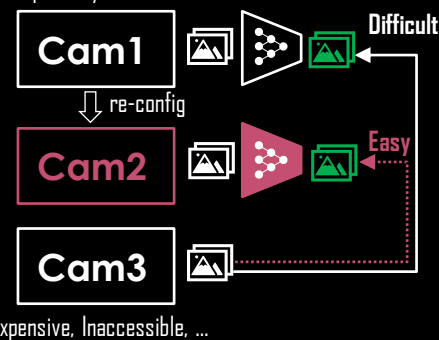
RIISE

インクルーシブ工学連携研究機構
Research Institute for an Inclusive Society through Engineering

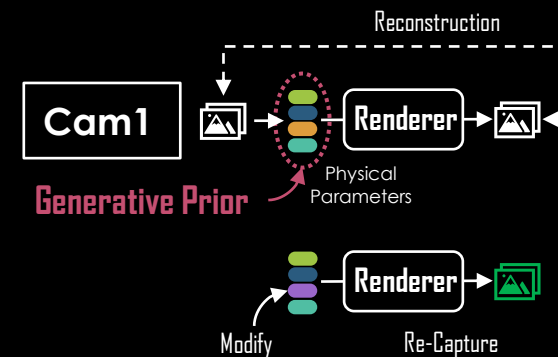


M1 - Camera Distillation

Cheap, Easily Accessible



M2 - Image Decomposition



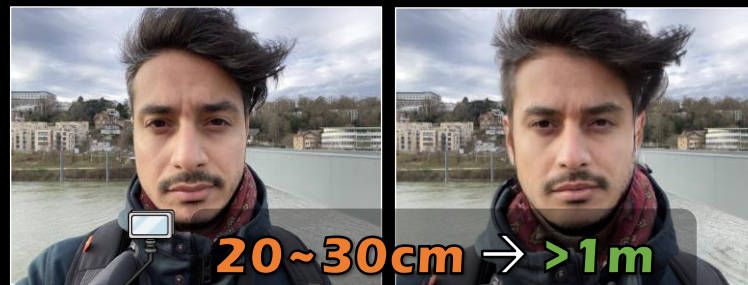
Neural Sensor (M1)



CVPR'22



Neural Viewpoint and Lens (M2)



IJCV'24



Neural Green Screen (M2)



SIGGRAPH'24

What are minimum imaging components?



Camera or not camera?



Towards unknown

