





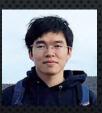
CVPR 2020

Optical Non-Line-of-Sight Physics-based 3D Human Pose Estimation

Carnegie Mellon University



Mariko Isogawa



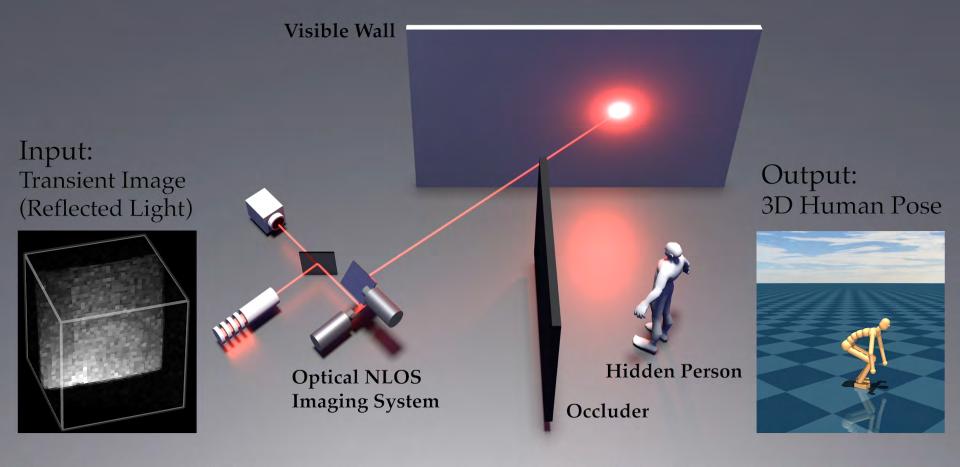
Ye Yuan



Matthew O'Toole



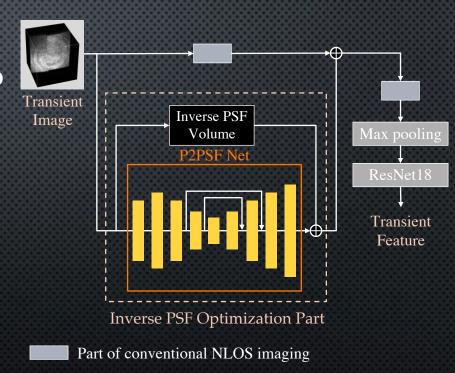
Kris Kitani



Physics-based 3D human pose estimation by `looking around corners"

Contributions

- Learnable inverse PSF to convert transient images into deep feature vector
- 2. Humanoid control policy conditioned on the transient image feature
- 3. Training data synthesis strategy



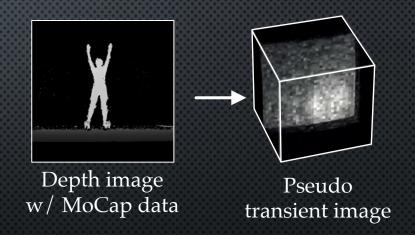
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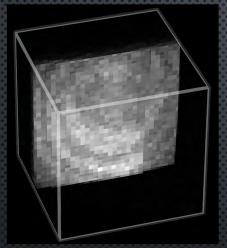
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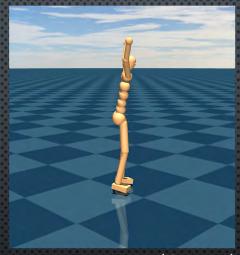


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Transient Image (Input)



3D Human Pose (Output)



Person Hidden by Wall



Project page:
marikoisogawa.github.io
/ project/nlos_pose.html



YouTube: www.youtube.com/watch?v=4HFulrdmLE8

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