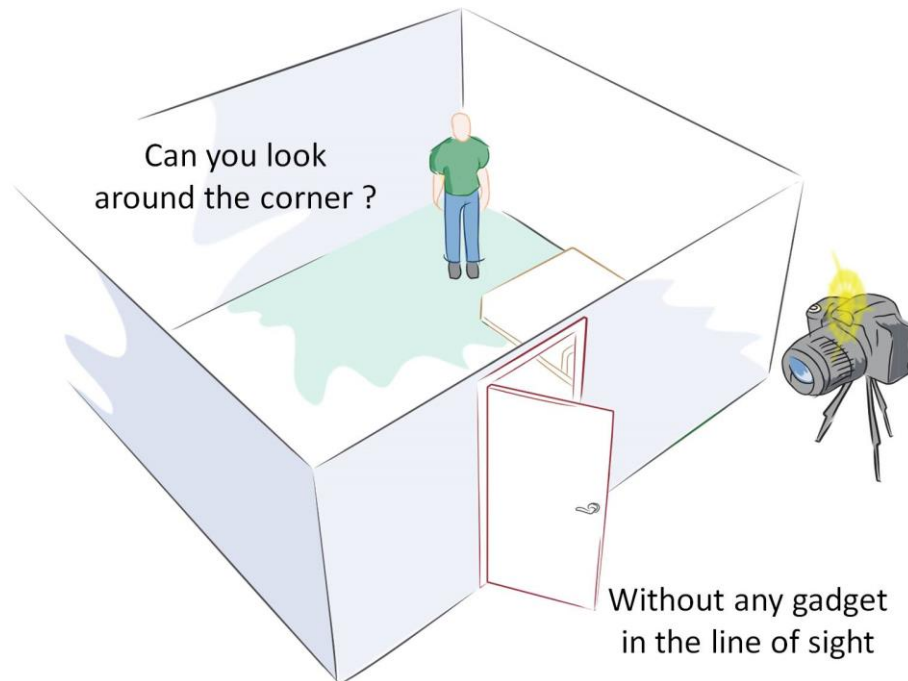


Super Camera: Looking around the Corners



Can you see inside the room without keeping a camera there or in the line of sight?

Holography is a technique to preserve the object phase and using this technique in an unconventional way we can make it possible to see around the corners or through the diffuser. Recently we started working on photon correlation, which is a powerful method to reconstruct the object from complex light field, to image the object hidden behind a scattering layer. We have many more inspiring ideas and we are looking for a motivated student who can meet the challenges.

Requirements:

Basic knowledge of Optics and optical setups
MATLAB

Possible tasks (depends on personal interests):

Implementation of optical setup for experiments
Programming
Thinking about something new and better

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