

## Computer Vision II – 3D Vision: Entry survey

- What tasks would you find difficult if you had only one eye open?  
Answer: Those involve estimating distances and movement (e.g., soccer, basketball, driving). Depth perception vs. size difference would be hard to distinguish. Novel objects may be hard to understand.
- How do you think stereograms are made?  
Answer: Two images destined for our two eyes are superimposed such that disparity information of 3D locations are preserved. Mirrors can be used to create this illusion. 3D glasses use color or flickering to send each image to the correct eye.

## Exit survey

- Why don't we need to know the original object's size to figure out its depth when we have stereo vision?  
Answer: Because we can find the depth by triangulating disparities in the two images.
- What's the operating principle of the XBOX Kinect (R) motion tracker system?  
Answer: Stereo vision enhanced by laser pattern projection.