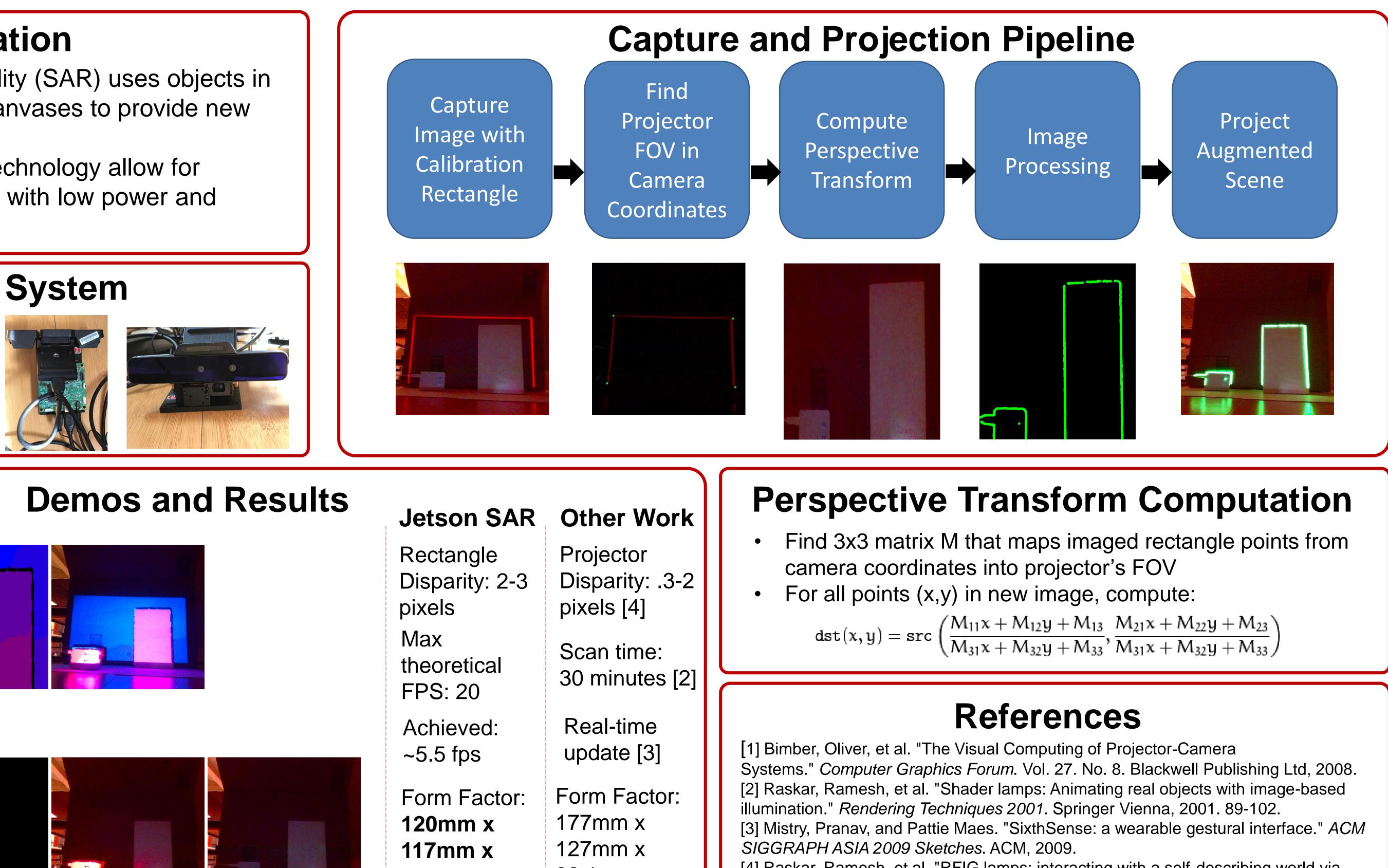
Small-Form Spatially Augmented Reality on the Jetson TX1 Rahul Prabala Electrical Engineering, Stanford University

Motivation

- Spatially Augmented Reality (SAR) uses objects in the real world as digital canvases to provide new user experiences
- Advances in computing technology allow for projection-based systems with low power and mobility

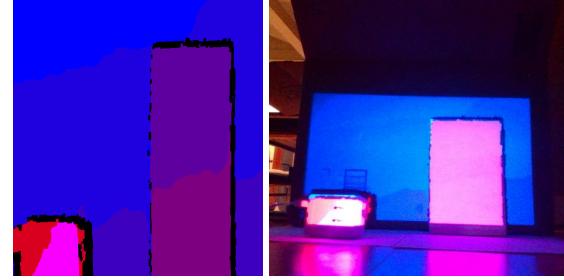
Hardware System

- **NVIDIA Jetson TX1**
- Intel RealSense SR300
- **TI DLP3000**



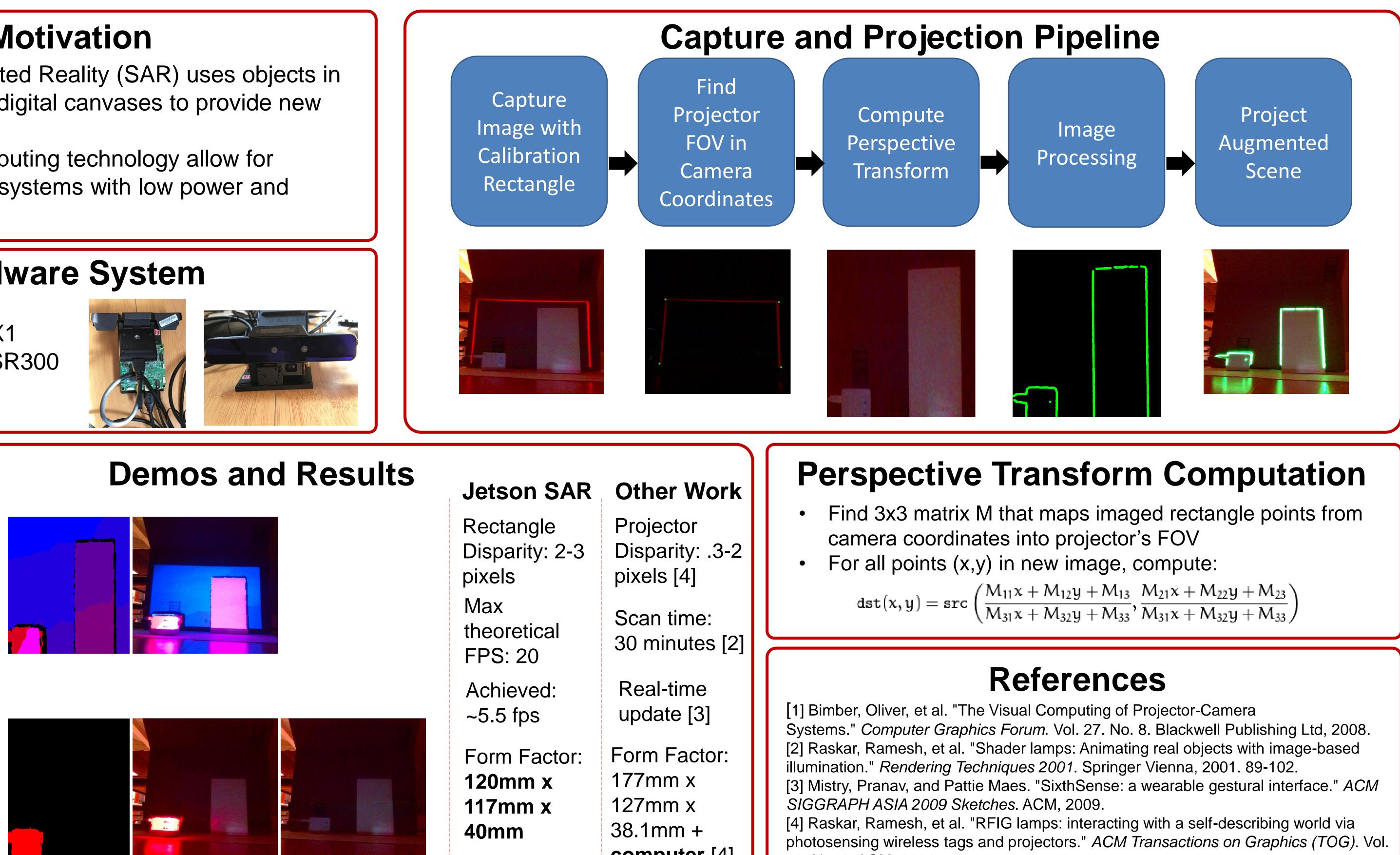
Scene Geometry

Project object layout onto scene using captured and processed depth map



"Privacy" Zone

Define region in the scene in which objects are not "allowed" (colored red)



computer [4]

23. No. 3. ACM, 2004.