Hi, I am Chia-Kai Liang, the first author of this paper.

In my talk on Thursday, I will present a new light field camera with programmable aperture. By “programmable aperture” I mean that the shape of the aperture can be changed in each exposure.

By using the programmable aperture and the multiple-exposure technique, this camera can capture the light field at full spatial resolution, same as the sensor resolution.

We can ***multiplex*** the light field to improve the acquisition efficiency and data quality.

We can also adjust the angular resolution of the light field and capture normal pictures without ***any*** alternation of the camera.

We also develop two post-processing algorithms to enhance the light field quality, and estimate the depth information of the scene from the captured light field.

Please come to my talk at 8:30 on Thursday. I will show you more details and results. Thank you.