**Project Title:** Development of a Photonic Curing System for Solut on-Processed Electrodes in Low-Cost Solar Cells

**Project Summary:** Conduct ve inks for electrodes are crucial in the development of emerging solar cell technologies. Tradit onal heat ng methods, such as using heat ng stages or ovens, can cause unwanted solvent interact ons with underlying layers, potent ally degrading the act ve materials in the solar cells. Infrared photonic curing, which involves using infrared illuminat on, provides a targeted heat ng approach that minimizes such interact ons by select vely heat ng the target conduct ve ink.

## This projec

maintaining precise temperature control to avoid damaging the underlying layers. The developed system will be validated by applying it to the fabricat on of