

AS AN EXAMPLE OF MATERIAL DEVELOPMENT STUDY, THIS LAB IS EQUIPPED WITH SEVERAL ATOMIC LAYER DEPOSITION EQUIPEMENTS THAT ENABLE

- To acutely design materials for tailored composition profiles and properties
- To control layer interfaces and develop new layers (passivation, reflector, front contact) for optimized optoelectronic properties

OUR LAB HOLDS ORIGINAL CHARACTERIZATION TECHNIQUES IN THE FIELD OF CONTACTLESS LUMINESCENCE IMAGING

- To spatially, temporally, and spectrally image the material and devices
- To understand inhomogeneities and access semiconductor material properties
- To demonstrate new principles of photovoltaic conversion and proofs of concept

