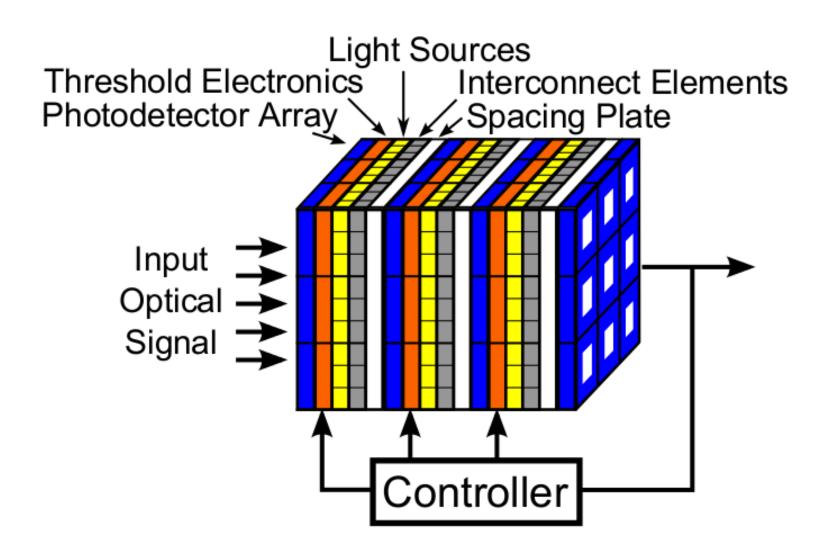
Meng. Thesis Summary

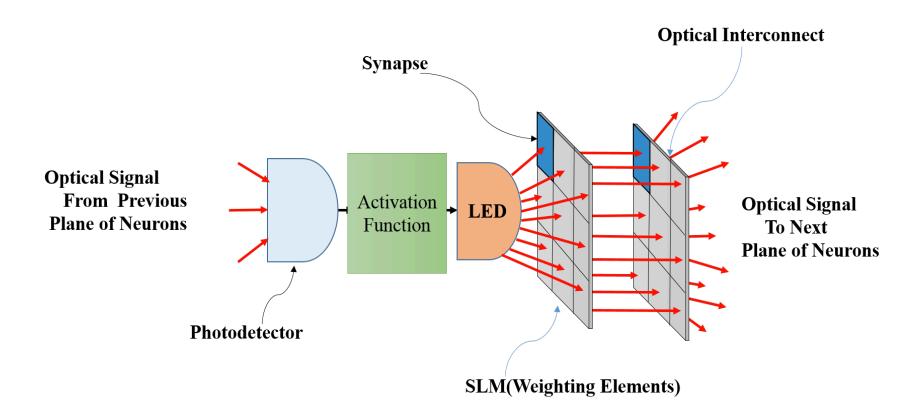
Design of Optoelectronic Activation Functions for COIN Co-processor

Wegene Tadele September 15, 2015

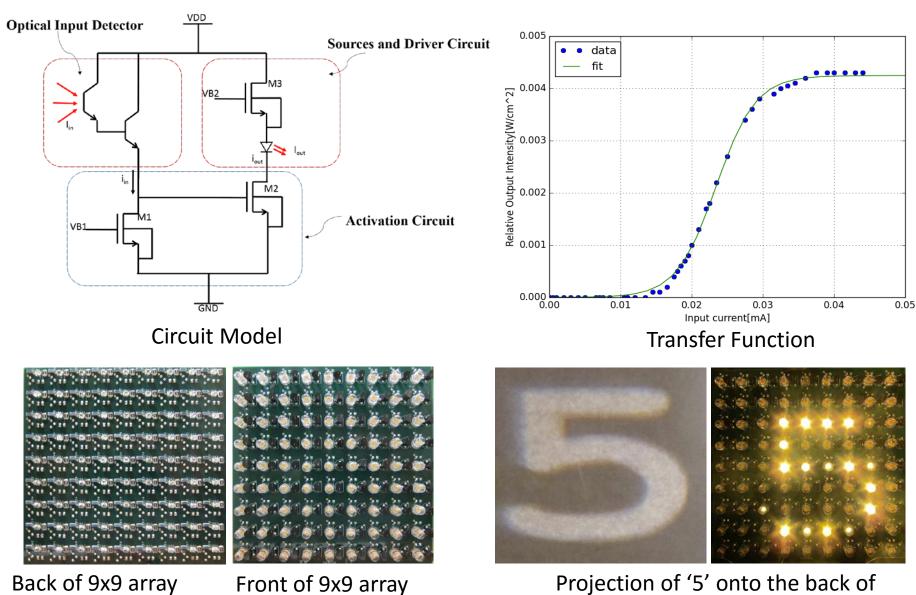
COIN Architecture



Pixel of COIN Model for Version-I Activation Function

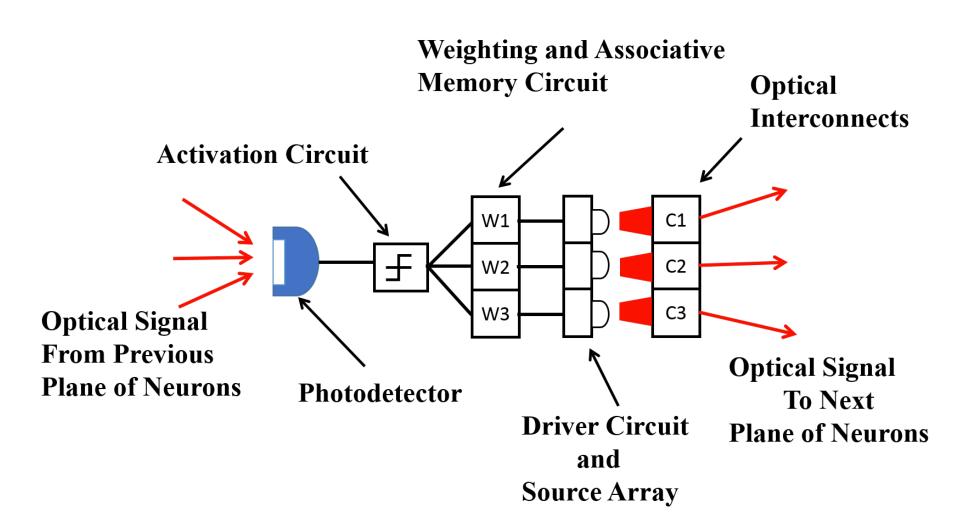


Version-I: Activation Function and Proof of Concept PCB

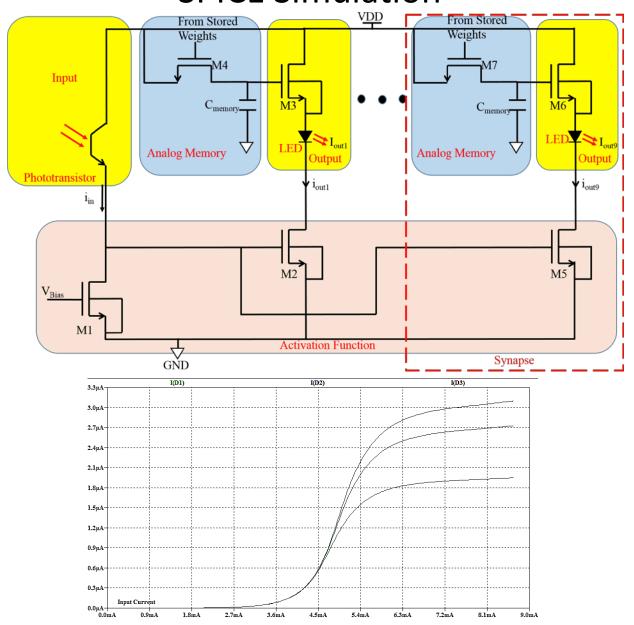


Projection of '5' onto the back of the PCB and the threshholded output

Pixel of COIN Model for Versions-II and III Activation Functions



Version-II: Activation Function Implementation and SPICE Simulation



Version-III: Activation Function Implementation and SPICE Simulation

