24th Australian Institute of Physics Congress



Contribution ID: 172 Type: Poster

Prolonging memory retention in optoelectronics devices using compensation model

Thursday, 15 December 2022 18:45 (15 minutes)

Weights in the convolutional neural network are stored as memory in optoelectronic devices. The performance of the neural network drops in a few milliseconds. We use a model to prolong the memory to several minutes.

Primary author: AUNG, Thiha

Presenter: AUNG, Thiha

Session Classification: Poster session

Track Classification: COMMAD: COMMAD: Semiconductor materials, devices, and technologies