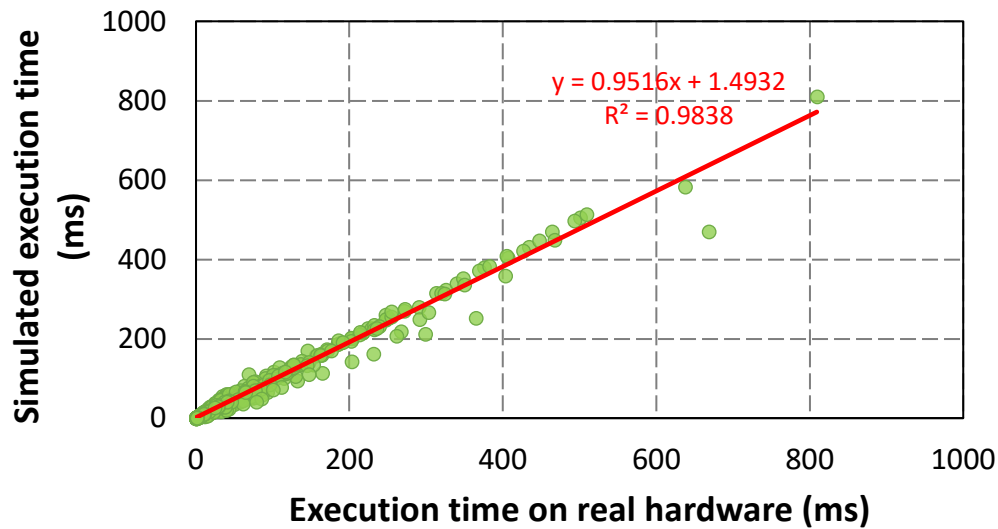


# UPMEM-PIM Validation Results

- Each data point corresponds to a single kernel in our studied benchmark in Table 2.
- The correlation ratio ( $R^2$ ) and Mean Absolute Error (MAE) numbers for single-/multi-DPU simulations are summarized as follows:
  - Single DPU without any inter-DPU communication (total of 710 data points):
    - Correlation: 98.4%, MAE: 12.0%



- Multi-DPUs with inter-DPU communication (total of 387 data points):
  - Correlation: 83.6%, MAE: 26.9%

