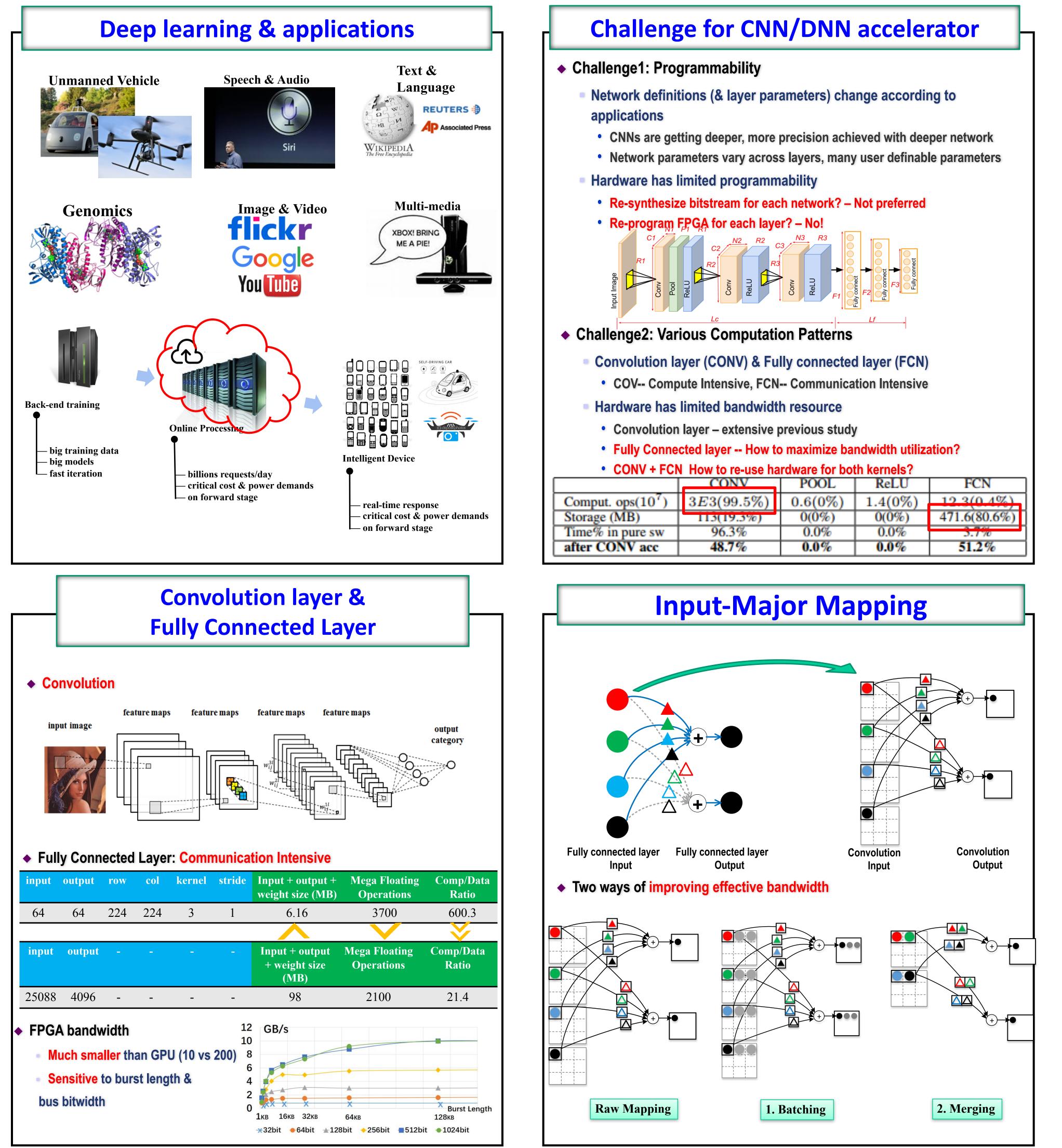
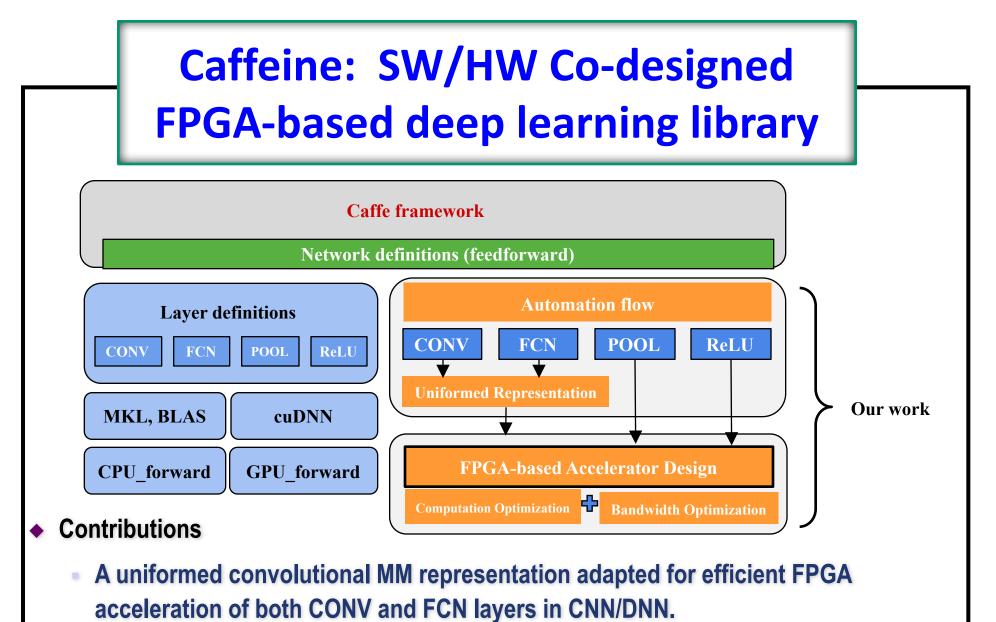
Caffeine: Towards Uniformed Representation and Acceleration for Deep Convolutional Neural Networks

Chen Zhang, Zhenman Fang, Peipei Zhou, Peichen Pan, Jason Cong



Center for Energy-effcient Computing and Applications, Peking University, Beijing, China Center for Domain-Specific Computing, University of California, Los Angeles, US Falcon-computing Solutions Inc., Los Angeles, US





- A HW/SW co-designed efficient and reusable CNN/DNN engine Caffeine, where the FPGA accelerator maximizes the computing and bandwidth resource utilization.
- The first published attempt to incorporate FPGAs into the industry-standard deep learning framework Caffe.

