Generalized Operational Neural Networks

a.   Title of the session : Generalized Operational Neural Network

b.   Speaker(s): Alexandros Iosifidis , Serkan Kiranyaz, Dat Thanh Tran, Junaid Malik

c.   Brief description of the topic: The topic at first give a brief discussion of deep learning development and neutral network operation optimization as wel as methods such as Pop, FastPop, Popmem and their implementation into image processing. At the end, the talk also introduce the PyGOP and FastONN library.

d.   What did you learn from the session?

Using simple commands the PyGOP libabry such as how to import model, create an instance of model, get default parameter, and train model.

e.   What was the most relevant/important question from the audience to the speaker?

The most relevant question is ONN and SelfCNN have a huge impact on Embedded System reducing memory requirement and computation clust. Have you try ONN on object detection problem on embedded system and if yes, how it is compared to other techniques such as mobile net SSD.