



## *6th Workshop on Reconfigurable Computing for Machine Learning*

Organisers:

Christos Bouganis, Imperial College London

Theocharis Theocharides, University of Cyprus

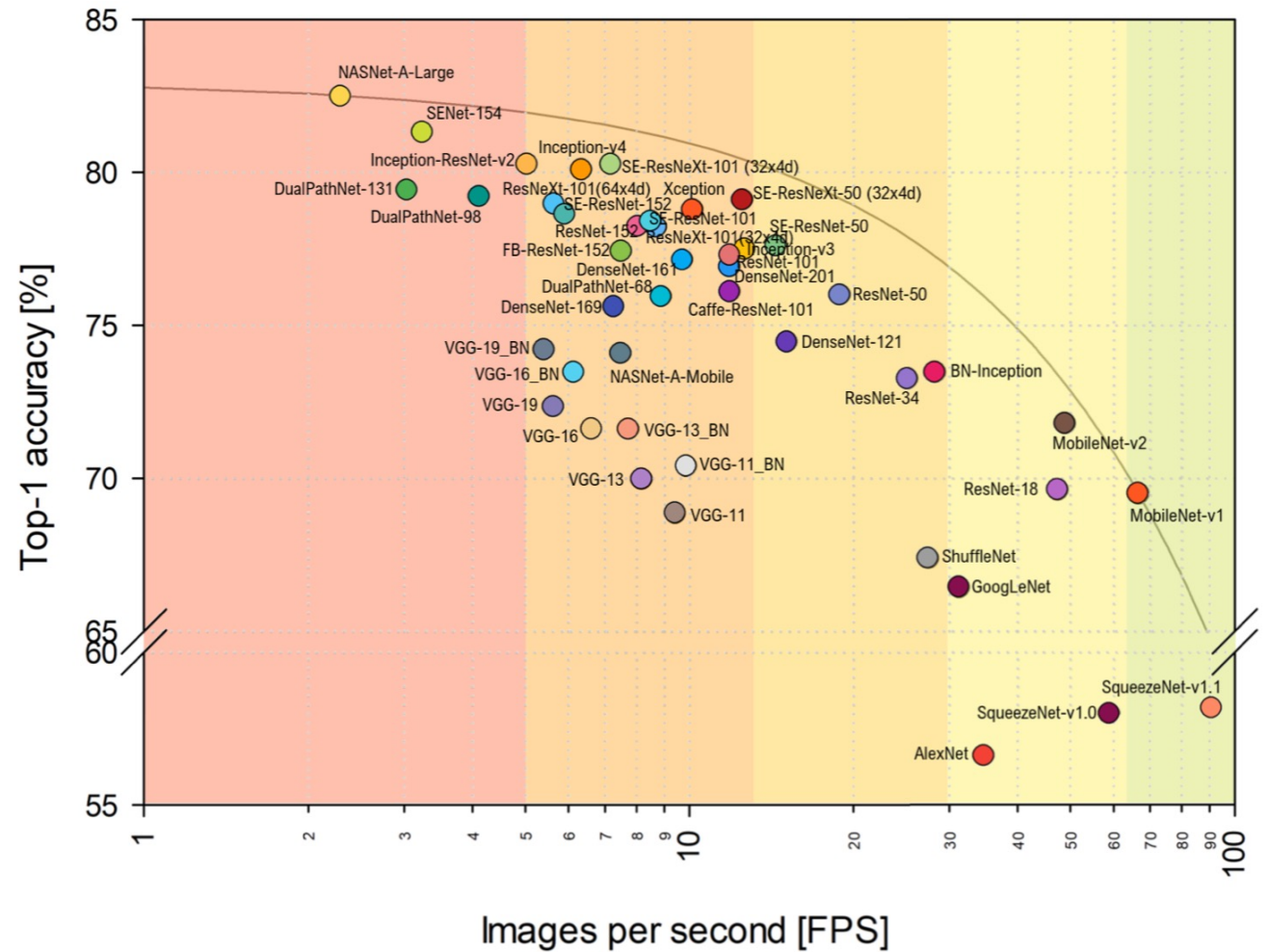
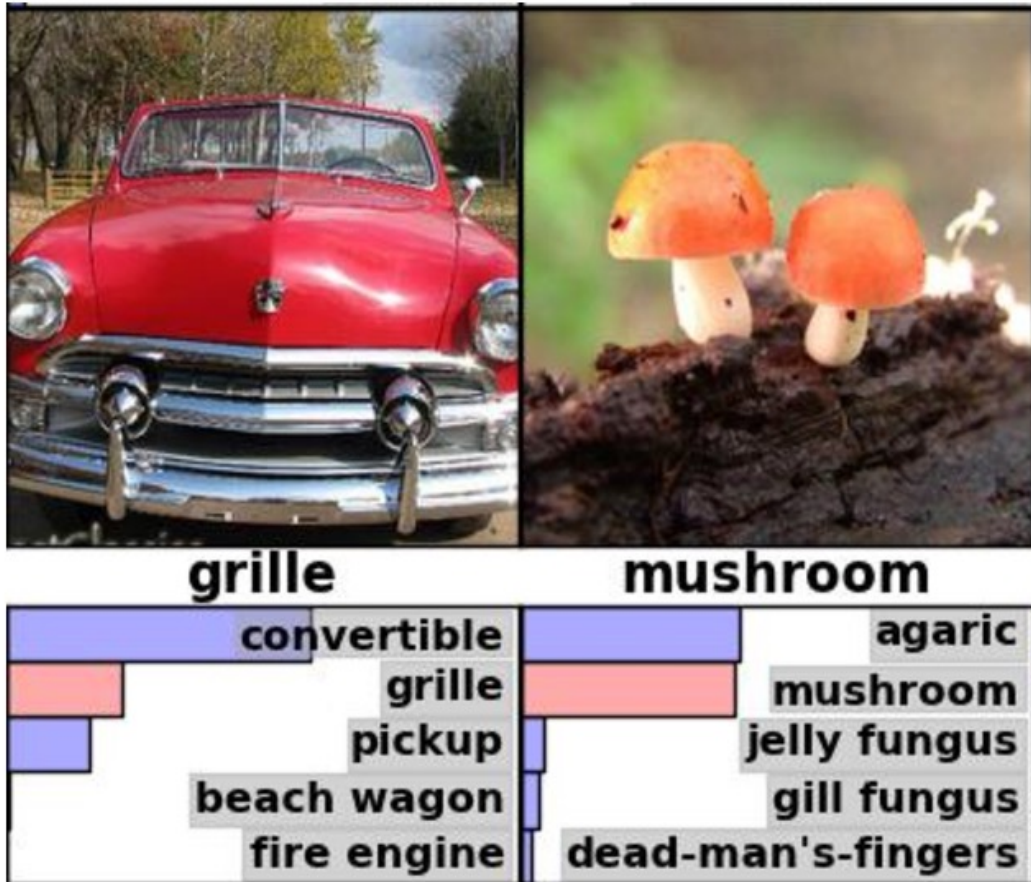
Christos Kyrkou, KIOS, University of Cyprus

Nele Mentens, KU Leuven, Leuven

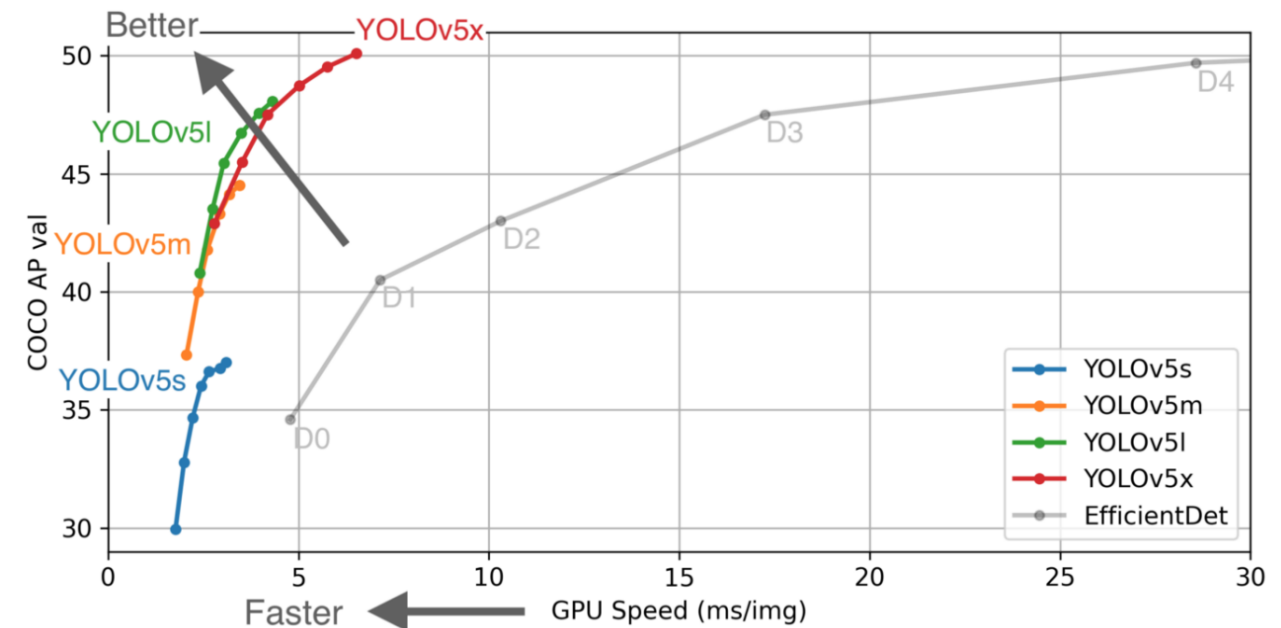
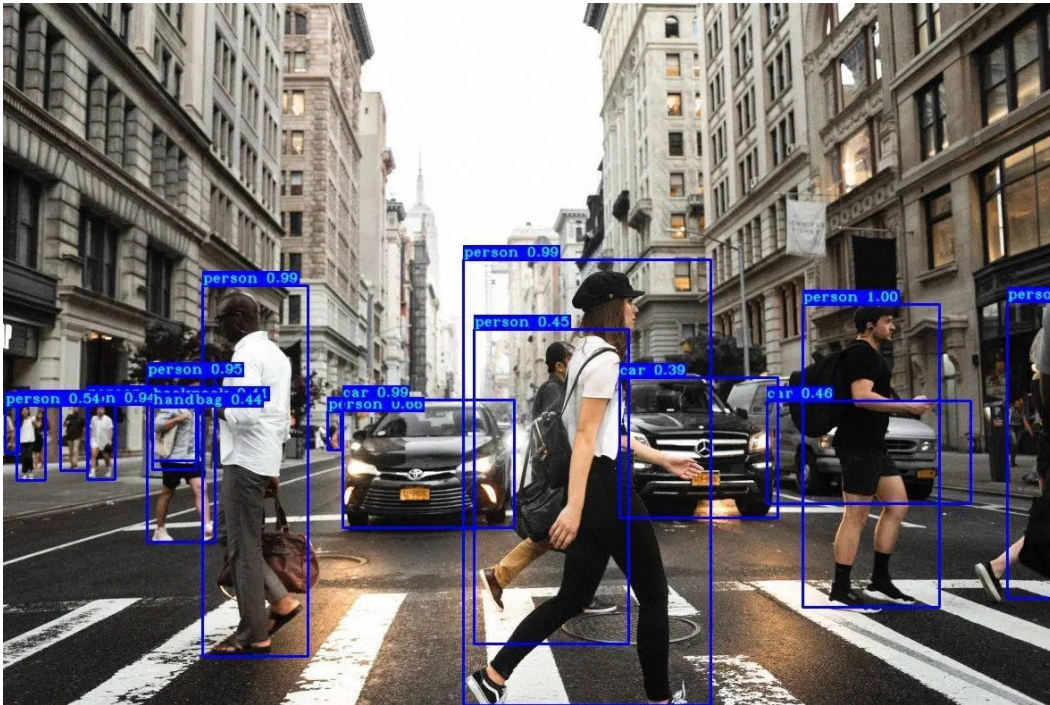
Marco Domenico Santambrogio, Politecnico di Milano



# Deep learning evolution – Image Classification



# Deep learning evolution – Object Detection



Source : <https://github.com/ultralytics/yolov5>

# Drive

- Need for Performance and Efficiency
- Solution:
  - Custom solutions – DNN specific
  - General solutions – Building block of a DNN
- Many Challenges

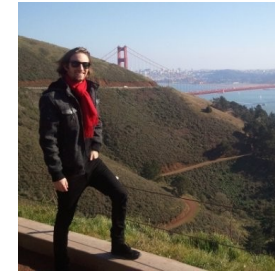






# Programme

Time	Speaker	Duration
9:00	Introduction	5 min
9:05-9:40	Nicholas Fraser AMD/XILINX	35 min
9:40-10:15	Aaron Zhao, Imperial College London	35 min
10:15-10:45	Coffee break	10 min
10:45-11:20	Gary Robinson, Groq	35 min
11:20-11:55	Alexander Montgomerie-Corcoran, Imperial College London	35 min
11:55-12:30	Partha Maji, Tenstorrent	35 min
12:30	Closing remarks	



Dr. Nicholas Fraser



Dr. Aaron Zhao



Gary Robinson



Alexander  
Montgomerie-Corcoran



Dr. Partha Maji