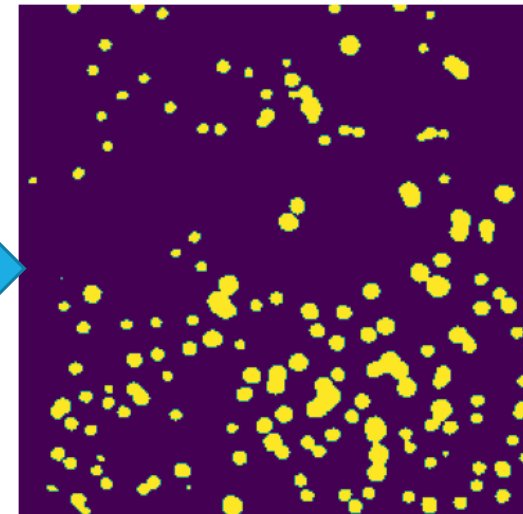
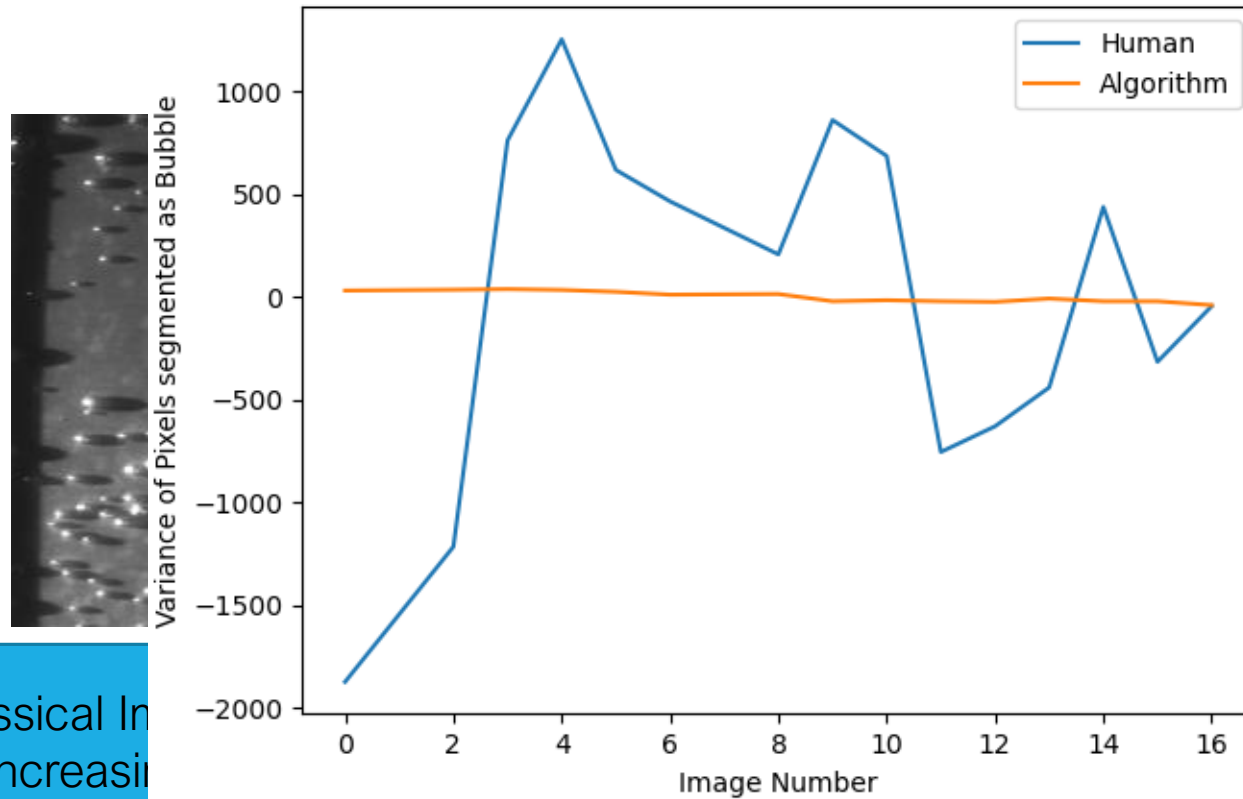




AI FOR CORE OPTIMIZATION –
FIRST STEPS COMING FROM SOMEWHERE TOTALLY DIFFERENT
PAUL WEIMER

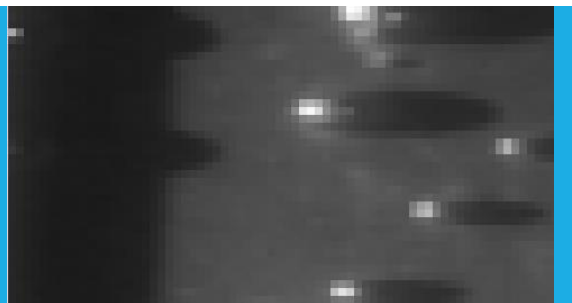
Serpent UGM
September 01st 2022

THE F



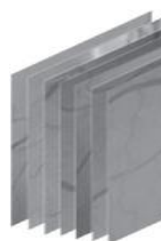
Classical Image

- Increasing
- Selection Criteria
- ...

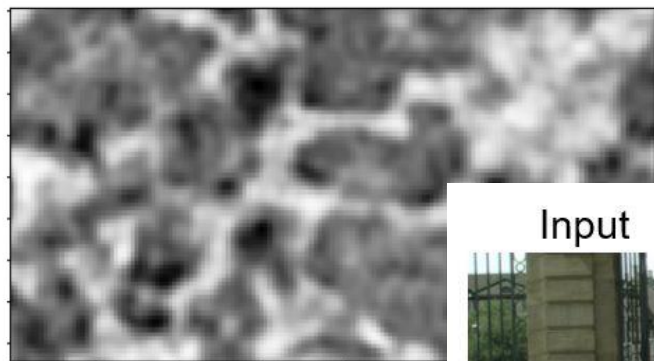


Representation:
case handling

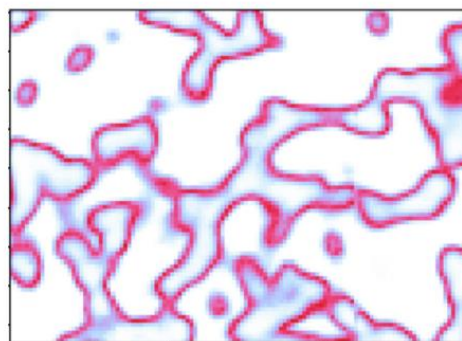
- + High Accuracy ?
- + High Repeatability ?
- Expensive
- Time consuming
- Boring work



48×48,1

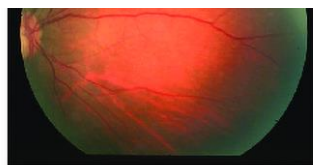


(a) CT scan slice



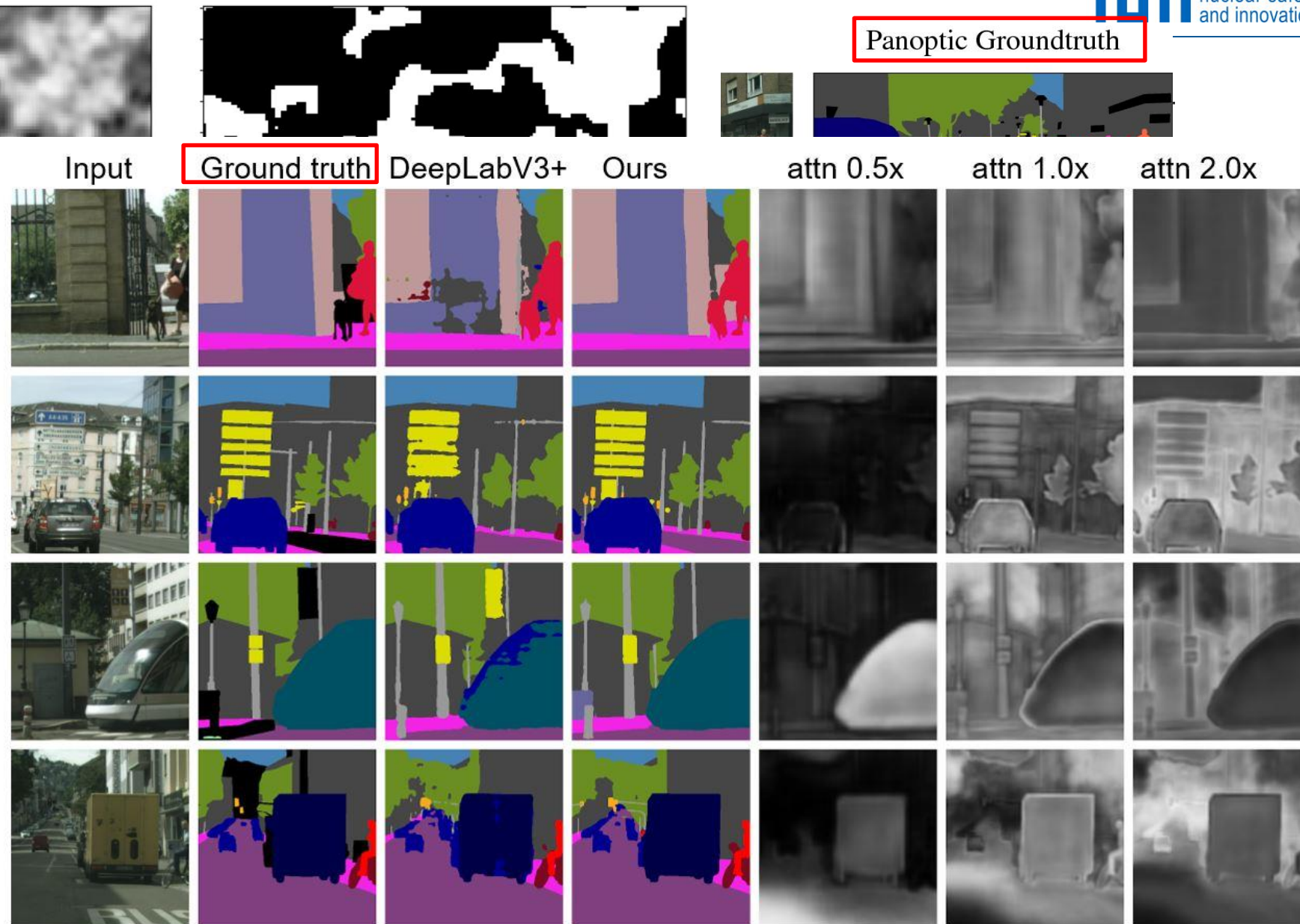
(c) BCNN uncertainty

STARE

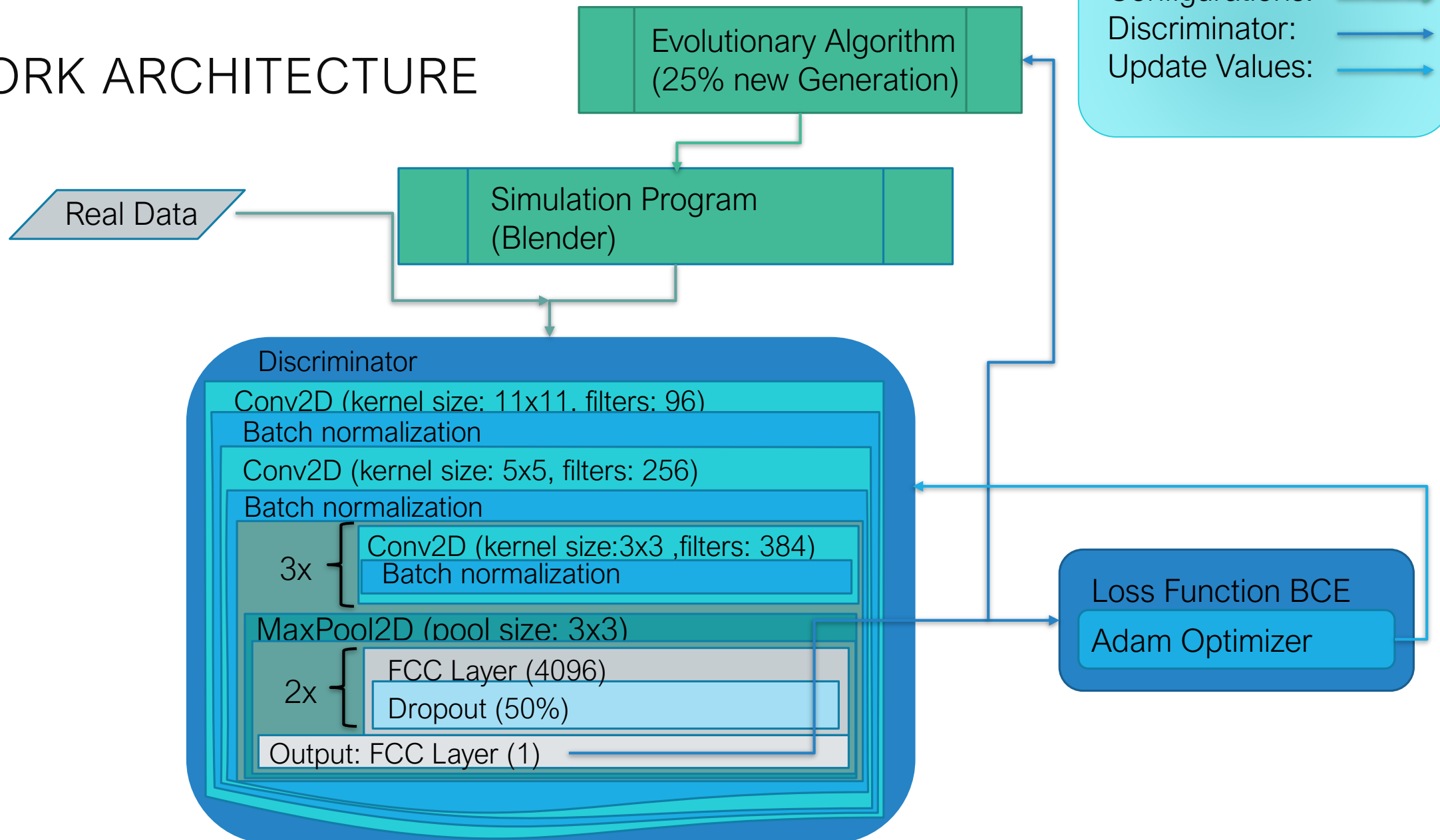


Original image

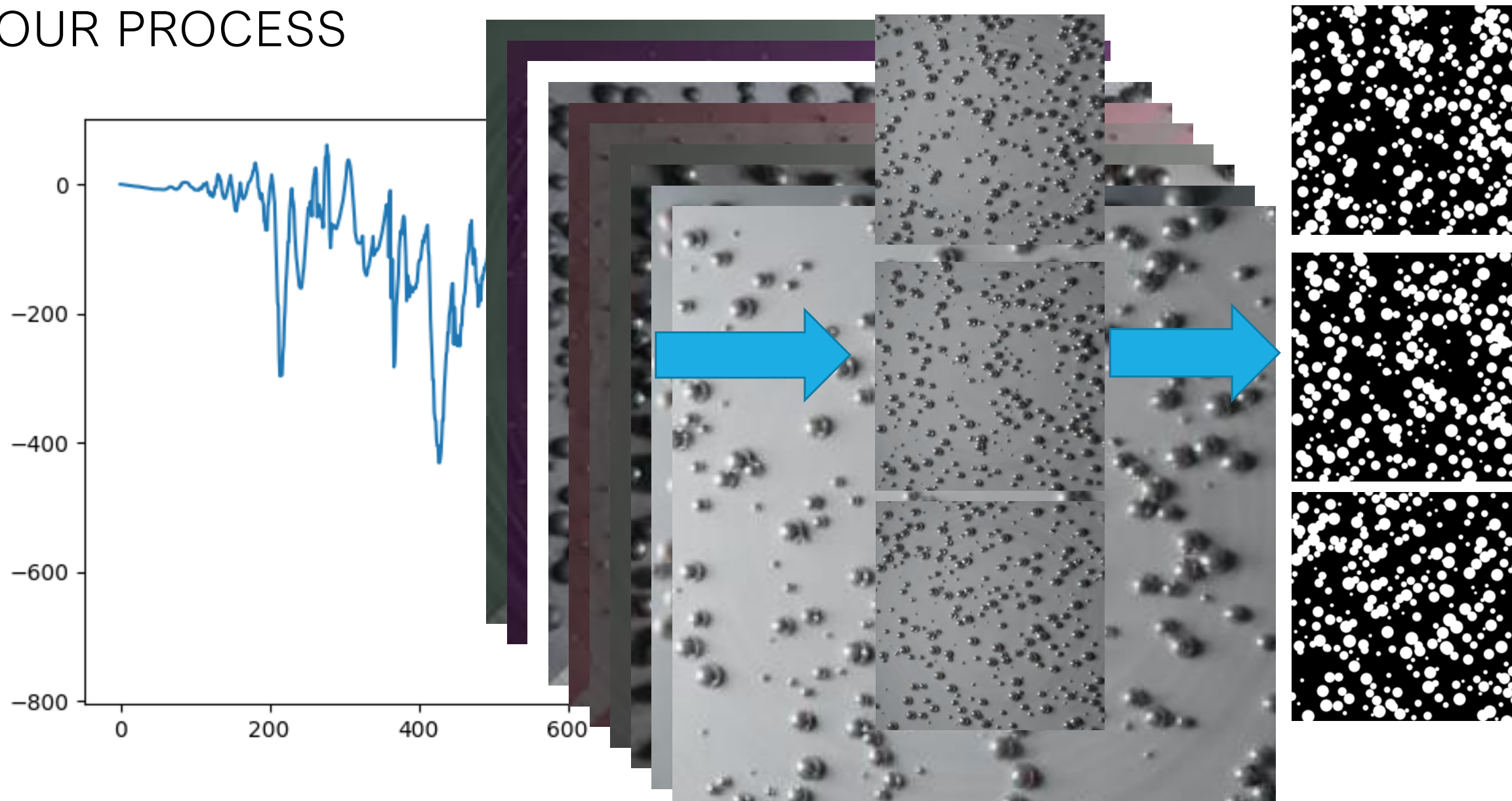
48×48,32



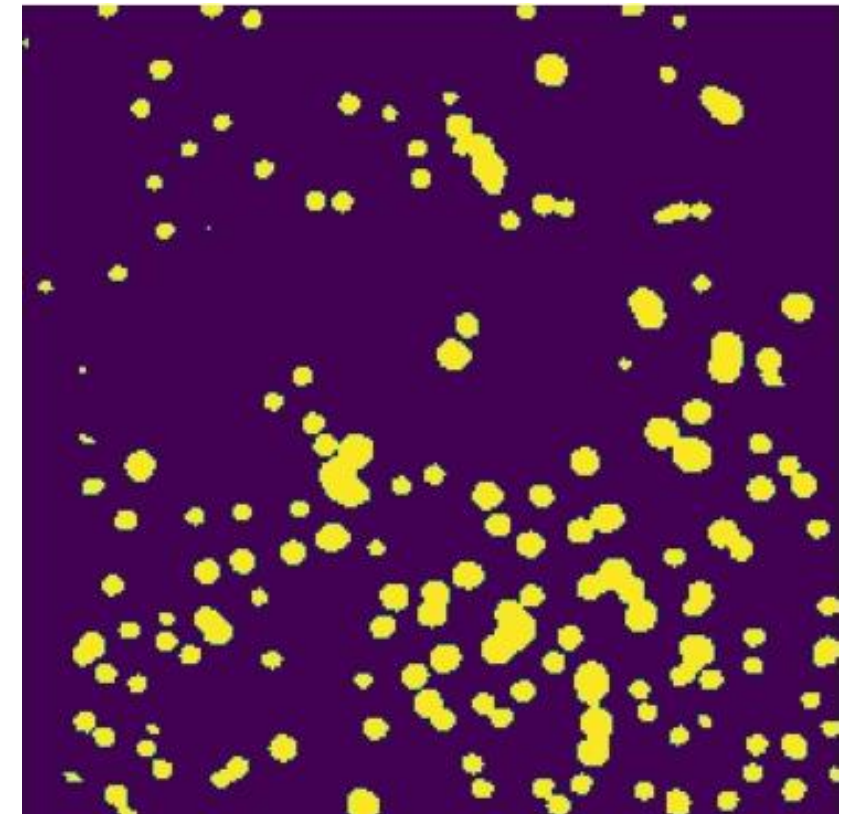
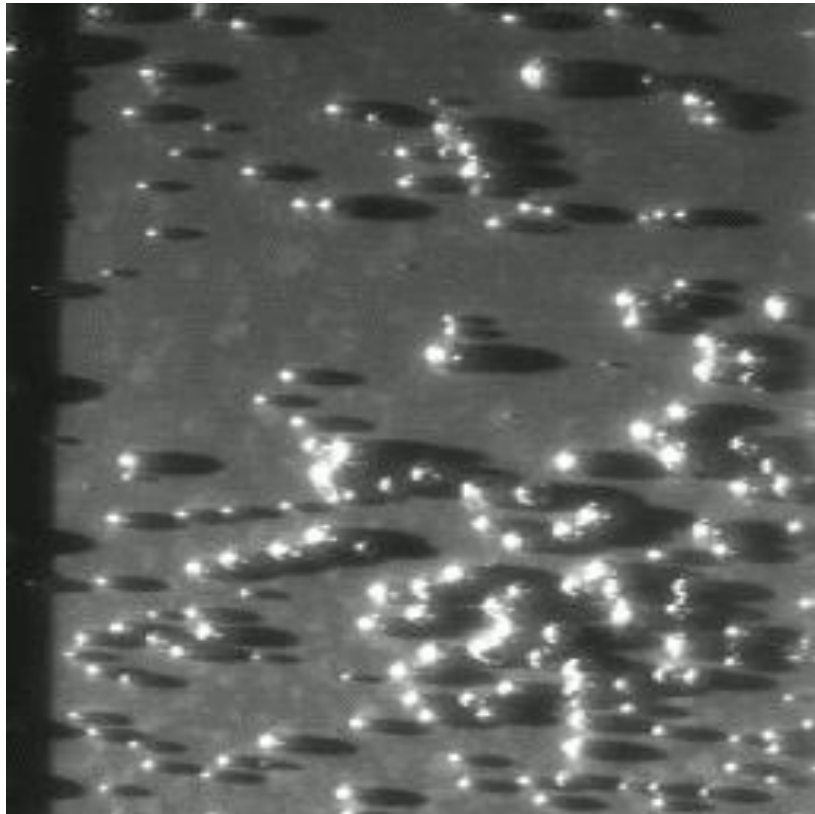
NETWORK ARCHITECTURE



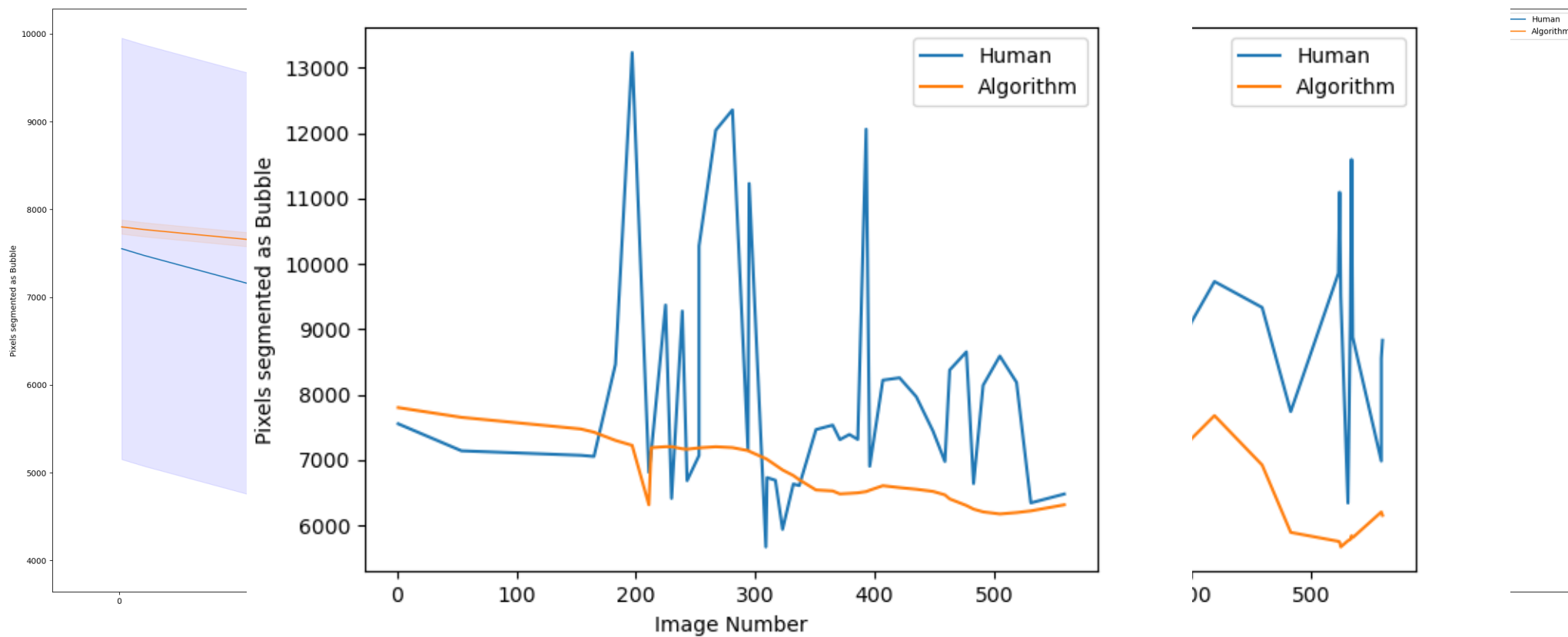
OUR PROCESS



TRAINING THE U-NET AND RESULTS



RESULTS IN NUMBERS





THANK YOU