## FPGA-powered Image reconstruction Sotirios Panagiotou and Konstantinos Lazaridis N.T.U.A., Erasmus M.C.

https://github.com/kl996/xacc\_presentation

- Project Summary:
  - The project is part of ongoing research.
  - Image reconstruction from sensor array signal.
  - Kernel: Multidimensional matrix multiplication.
  - Intermediate matrices are too large, so we apply tiling to compute them inside the FPGA.

- What we achieved:
  - Getting familiar with Vitis environment.
  - Extract HLS ready C, from original MatLab code.
  - Synthesize kernel code.
  - Test HLS Pragmas.
  - Getting busy with debugging.

