

A Reconfigurable Detector for Measuring the Spatial Distribution of Radiation Dose for Applications in the Preparation of Individual Patient Treatment Plans



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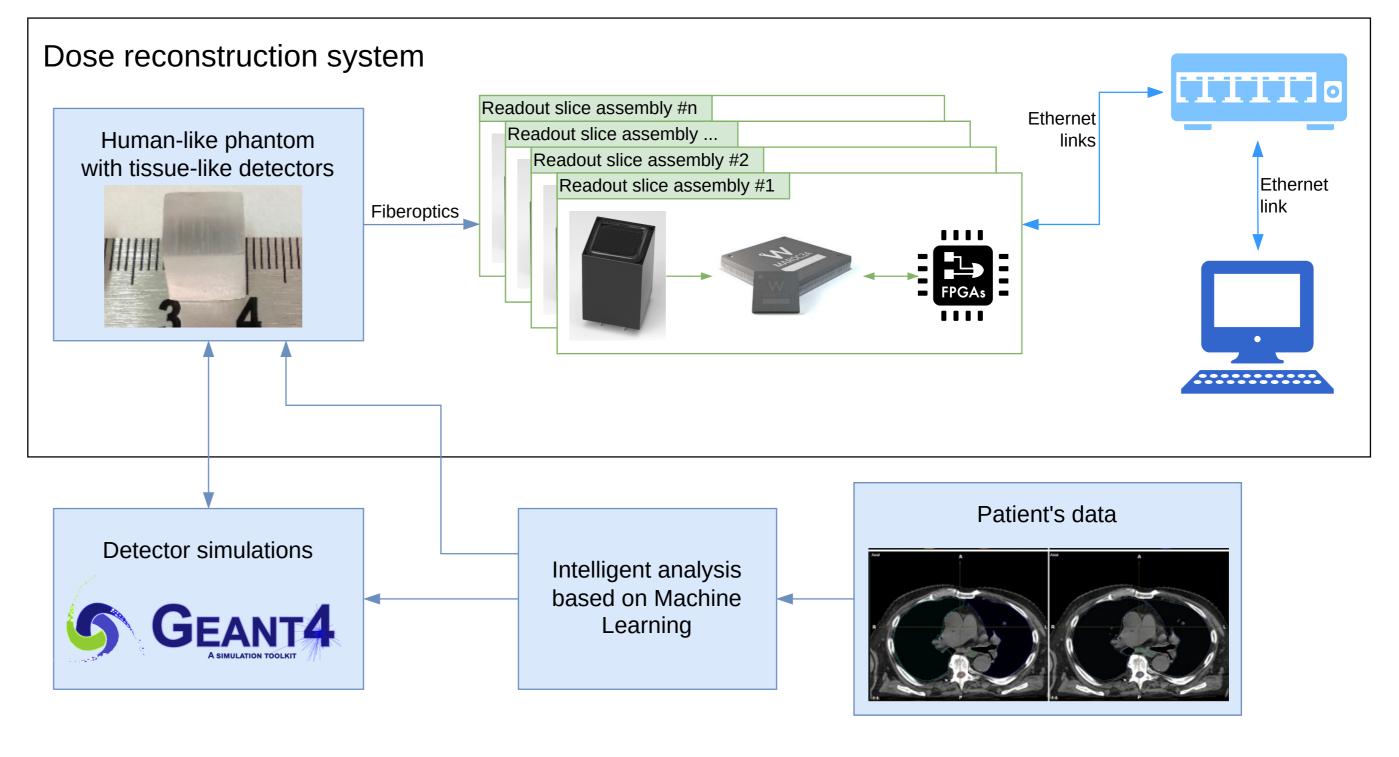
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Poster Summary

A novel detection system dedicated for personalised radiation therapy planning designed to have:

- a detection head allowing for changes in geometry dependant on patient's needs;
- a scalable Data Acquisition (DAQ)
 system supporting reconfigurability;
- a high-level software package using machine learning techniques to analyse medical imaging and generate needed detector geometry for the configuration and simulations.



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