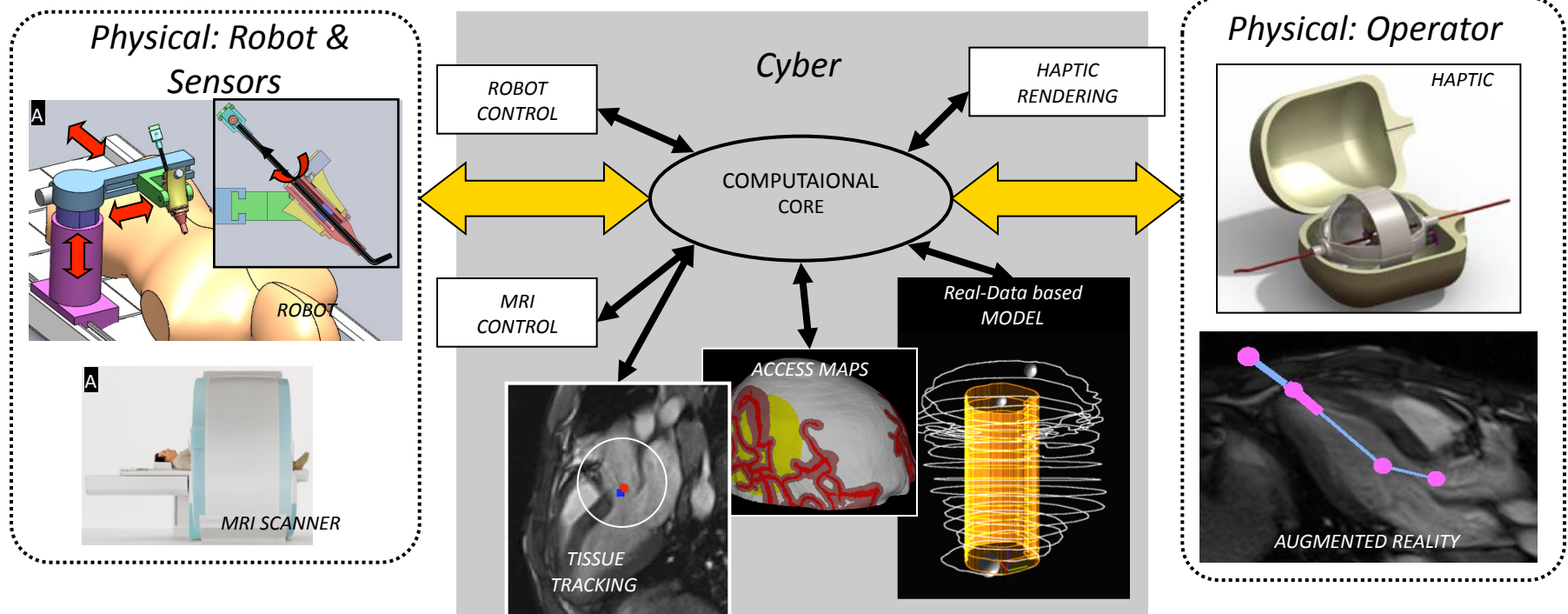


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## Image Guided Robot-Assisted Medical Interventions

PI: Nikolaos V. Tsekos; Co-PI: Zhigang Deng, Karolos Grigoriadis, Ioannis A. Kakadiaris, Javad Mohammadpour.



The scientific directions, and the associated specific research objectives, of the Multimodal Image-guided ROBot-assisted Surgeries (MIROS) project is its reliance on *true sensing* of the *physical world* with multi-contrast imaging and distributed force/bending-sensors, in order to maneuver a steerable surgical robotic manipulator inside the continuously changing environment of a patient while offering a comprehensive perception of the Area of Operation (AoO) to the operator via a visuo-haptic interface.