

TextOM

X-ray Texture Tomography as a tool to enable, multi-scale, in-situ imaging of the enthesis, a biological interface between tendon and bone

The TextOM project will i) develop X-ray texture tomography and apply it to ii) understand the hierarchical crystal- and nanostructure of the enthesis, the biological interface structure between tendon and bone iii) present a micromechanical model that leverages the 3D texture orientation information obtained by texture tomography. This approach will demonstrate the enormous potential of texture tomography for a wide range of materials and a broad user community.

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