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3D-2D Silhouette-based Image Registration for Comparative Radiography-based Forensic Identification

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Highlights

- 2D radiographs and 3D scans of any bone or cavity are automatically superimposed.
- The method considers up to 7 degrees of freedom and occlusions.
- The method has been validated with synthetic and real data.
- The mean overlapping error on synthetic cases is lower than the 2% of the pixels.
- Real frontal sinuses cases are correctly identified in the 58% of the experiments.

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