

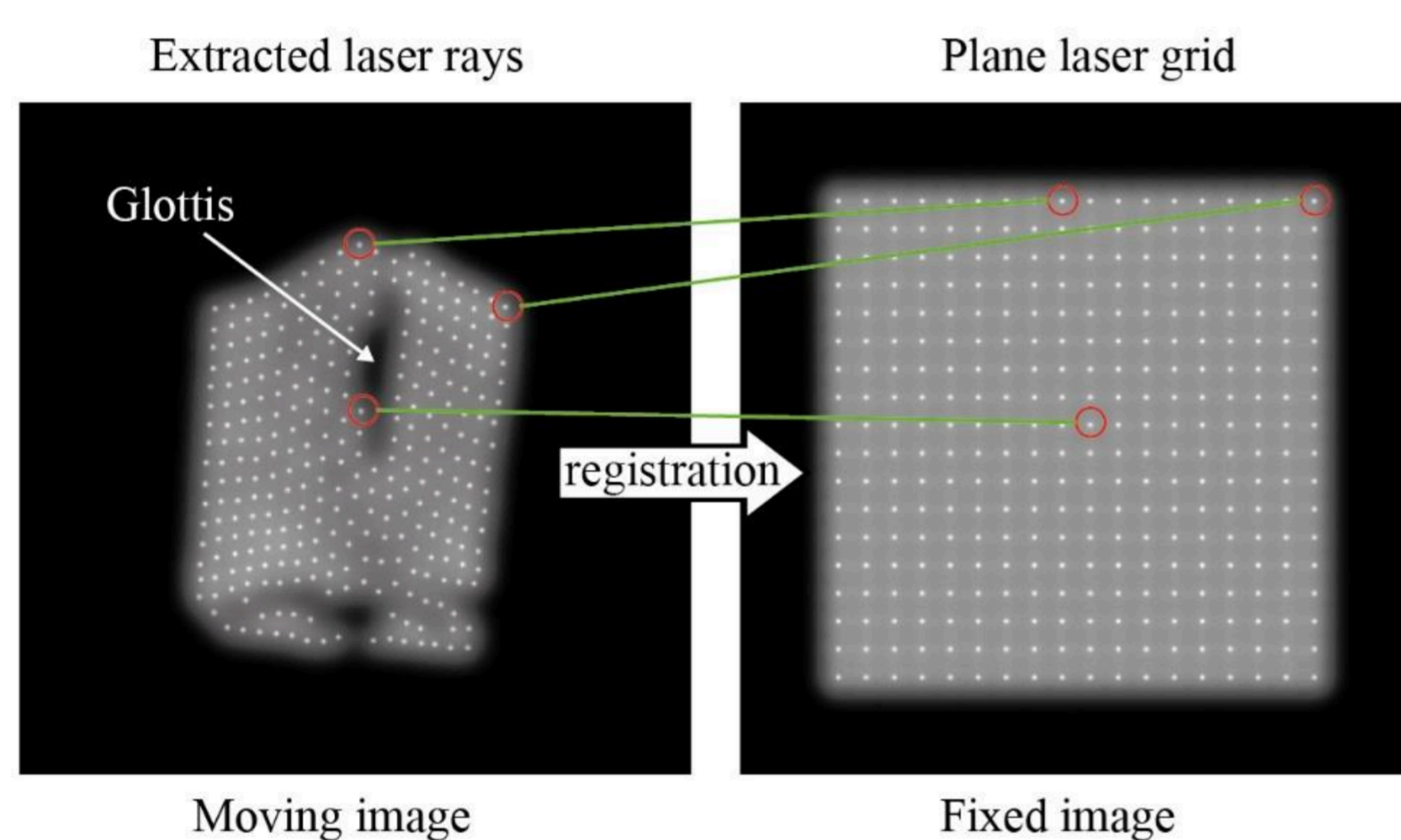
Feature-based image registration in structured light endoscopy

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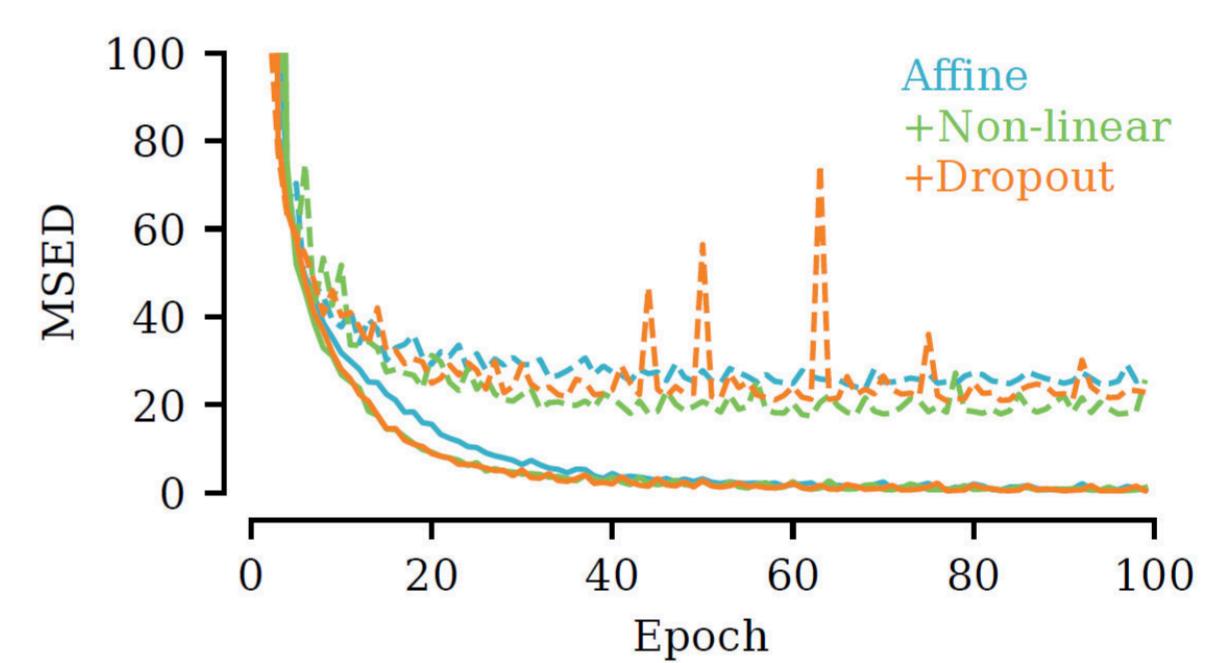
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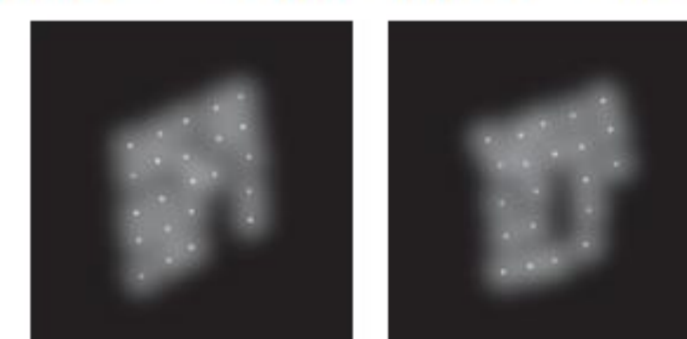
1 Image registration for grid location assignment



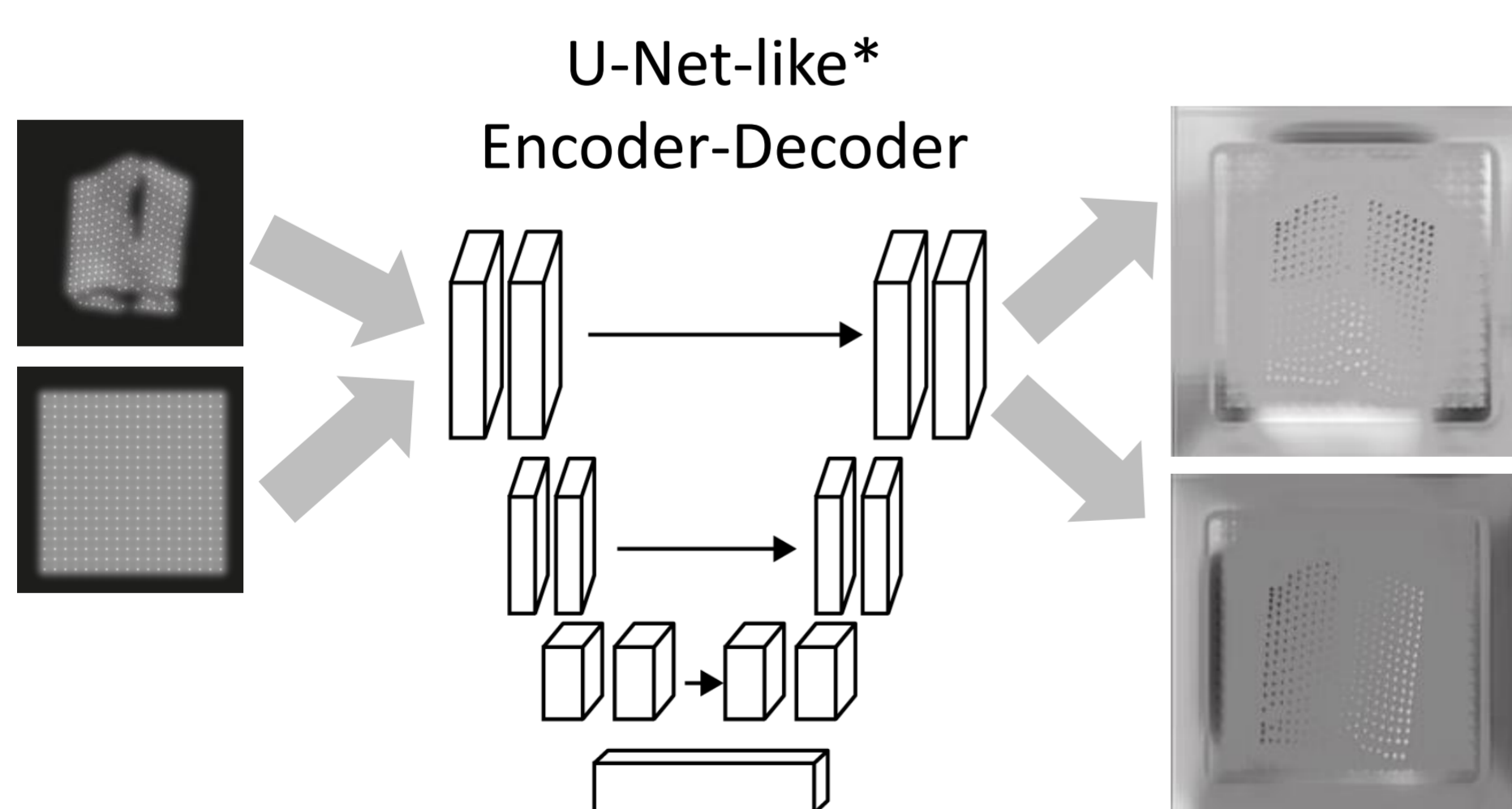
3 Robust to deformations and missing features



Affine + Non-Linear + Dropout



2 Custom feature-based loss



moving

warped

$$d^{(k)} = \sqrt{(x_w^{(k)} - x_f^{(k)})^2 + (y_w^{(k)} - y_f^{(k)})^2}$$

4 High registration accuracy on ex-vivo data

