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Tracking elastic deformable objects with an RGB-D sensor for a pizza chef robot

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## Tracking elastic deformable objects with an RGB-D sensor for a pizza chef robot

- Track in real-time a 3D textureless deformable object with an RGB-D sensor.
- Modeling large elastic deformations based on FEM.
- Efficient registration using nearest neighbors correspondences and contours.
- Experimented on a humanoid robotic platform for manipulation.

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