

# NII International Internship program

# Segmented Fusion

Warping

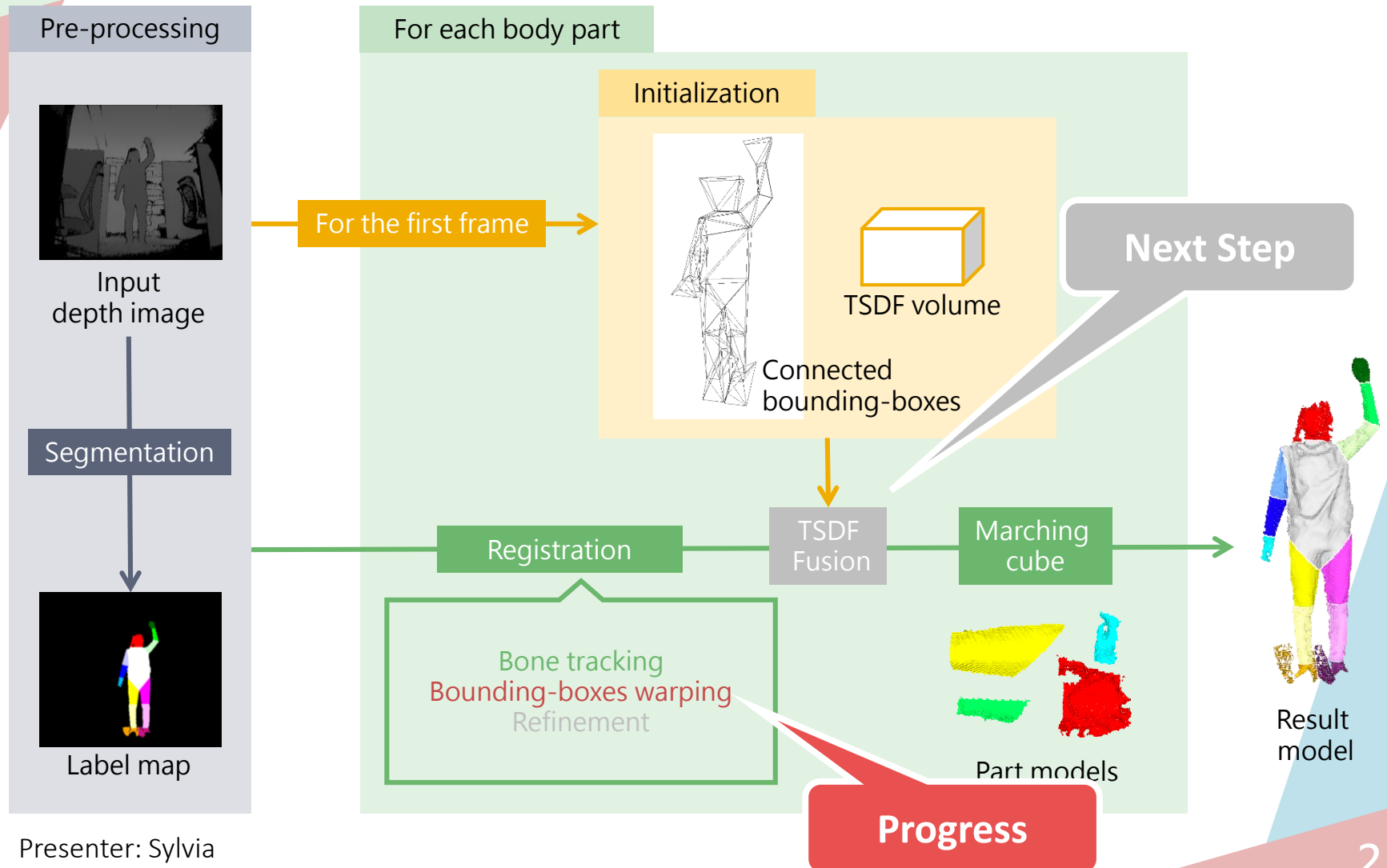
20171228

Sylvia

Advisors: Prof. A.Sugimoto

Ass.Prof. D.Thomas

# Summary



Presenter: Sylvia

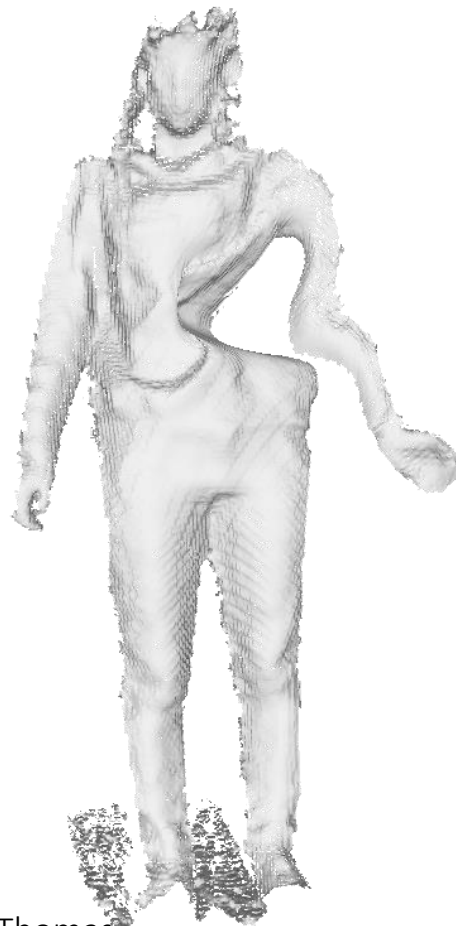
Advisors: Prof. A.Sugimoto, Ass.Prof. D.Thomas

# Summary

- ♣ Previously
  - ♣ Fuse meshes by interpolated transform warping
  - ♣ Refine the transform of corners
- ♣ Progress
  - ♣ Warp meshes by two way, Quaternion blending and extrapolation

# Quaternion warping

- ♣ I tried to use Quaternion warping again and implemented by myself. However, the results are still wrong.



# Extrapolation warping

- ♣ I use trilinear extrapolation in irregular bounding-boxes to get new positions of vertices.

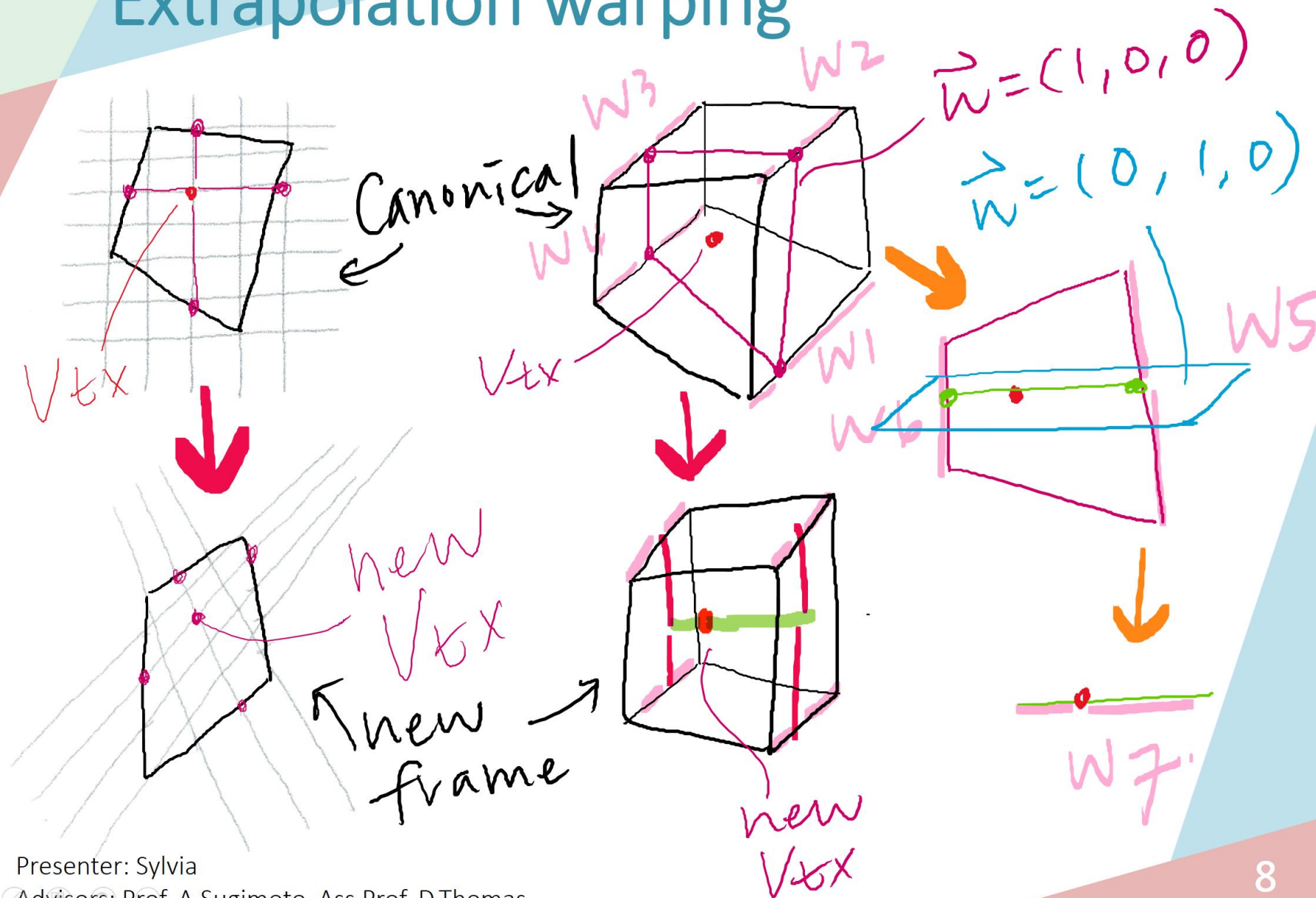


Resources: 031\_warping.avi

Presenter: Sylvia

Advisors: Prof. A.Sugimoto, Ass.Prof. D.Thomas

# Extrapolation warping



# Next step

- ♣ Implement warping in TSDF
- ♣ Refine the bounding-boxes