Biological model representation and analysis

Cao, L.

Stellingen

Behorende bij het proefschrift

Biological model representation and analysis

1. *Less is more* for selecting phenotype classification features. Selecting prominent features is more important for classifier training.
   [this thesis]

2. Prior probability should be carefully counted in the phenotype classification.
   [this thesis]

3. For point cloud based surface reconstruction, a point cloud distributed through the curvature differences provides a better input than a point cloud with a uniform distribution.
   [this thesis]

4. A synthetic analytical surface model is a useful tool for the evaluation of surface reconstruction methods.
   [this thesis]

5. The L-system has proven a useful tool for construction of ground truth structures for arborized objects like the mammary gland.
   [this thesis]

6. A phenotype analysis requires a precise model representation regardless of the dimensionality of the data.
   [this thesis]

7. A visual observation between the images might show different results, but we should always trust the reproducible results of computational analyses.

8. Rosalyn S. Yalow stated: "All women scientists should marry, rear children, cook, and clean in order to achieve fulfilment, to be a complete woman." For male scientists there should be no difference.

9. According to Niels Bohr, "An expert is a person who has made all the mistakes that can be made in a very narrow field." Making mistakes must therefore be part of the PhD maturation.