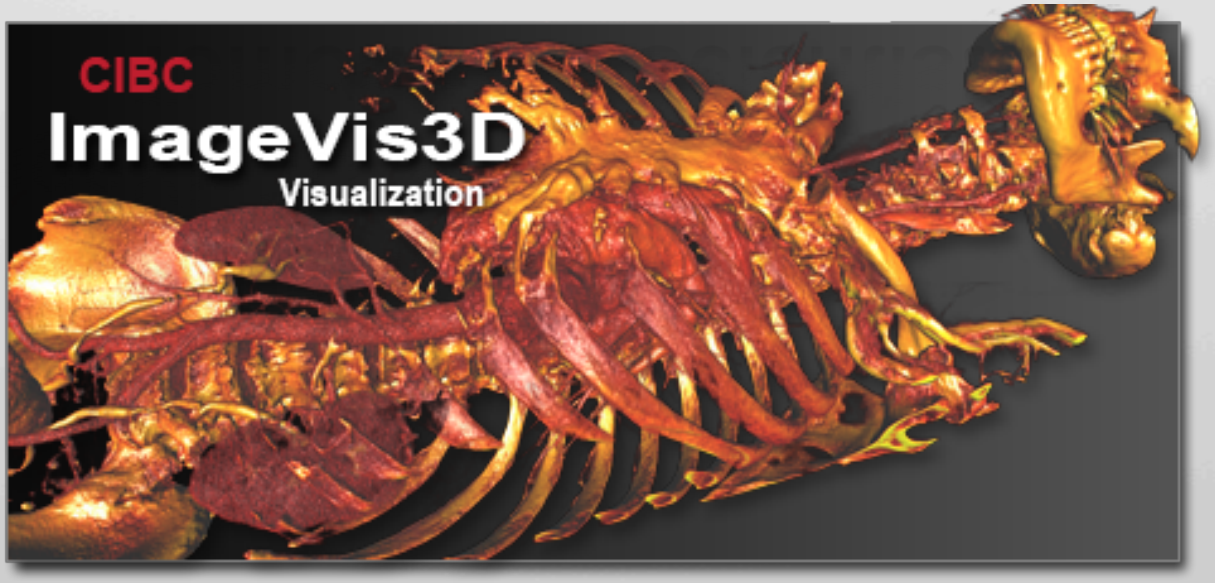
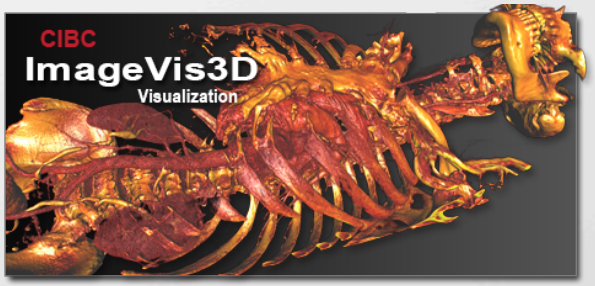
Case Study II: ImageVis3D as a Teaching Tool for Tomorrow's Scientists

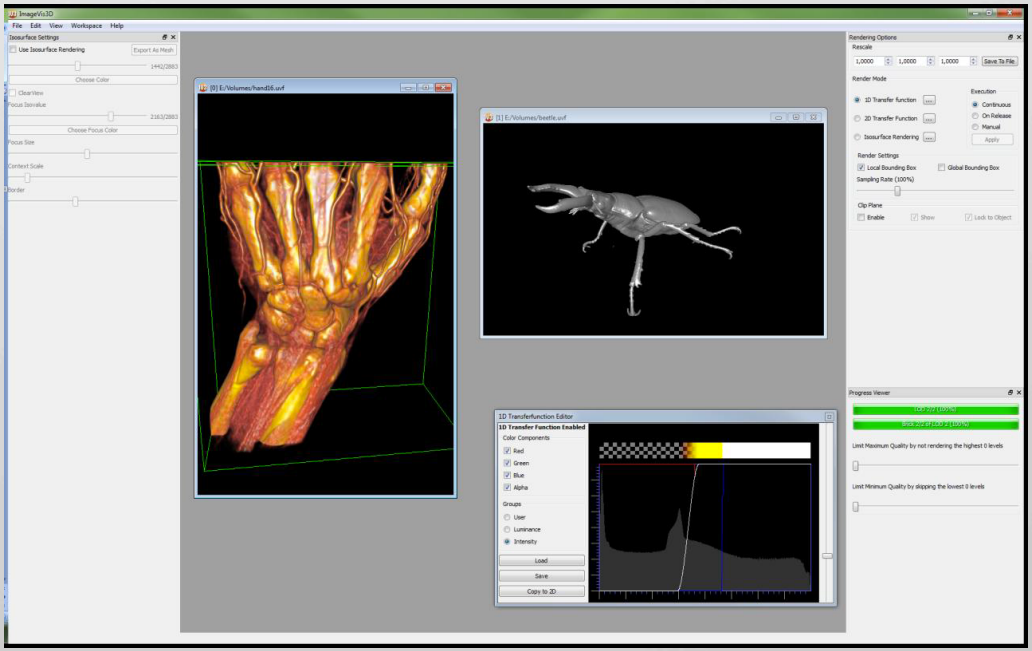


Elizabeth Jurrus, CIBC Technical Manager &
James Hughes, Graphics Software Developer

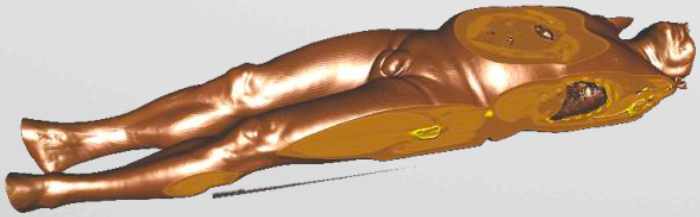
ImageVis3D

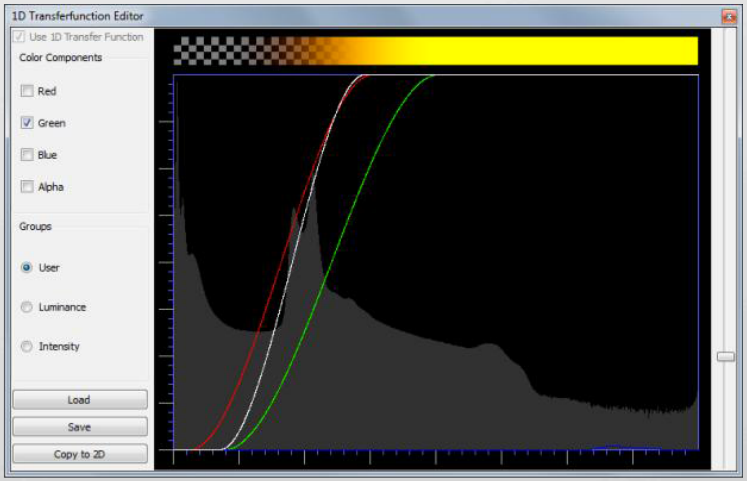


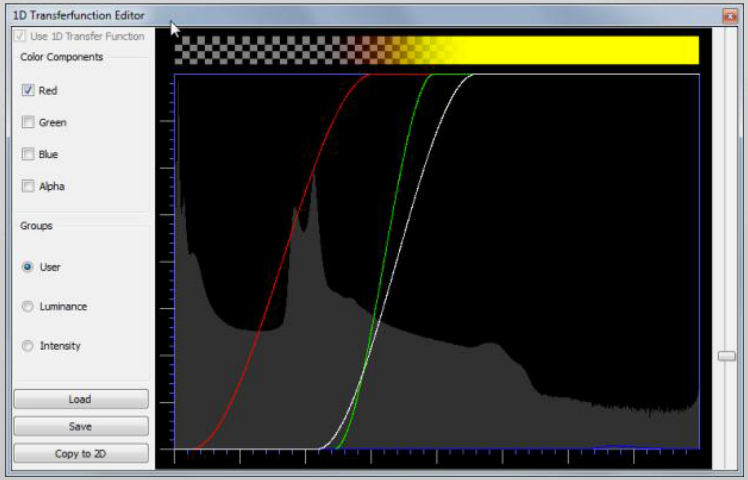
- Data exploration through volume rendering
- Out of core
  - “Bricking”
- Interactive performance
  - Advanced scheduling
  - Caching algorithms
- Transfer functions



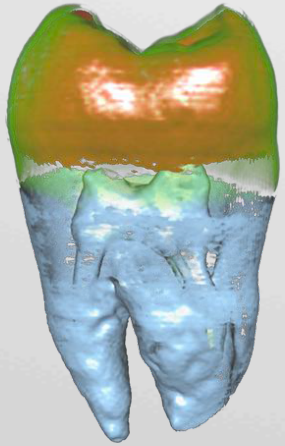
1D Transfer Functions

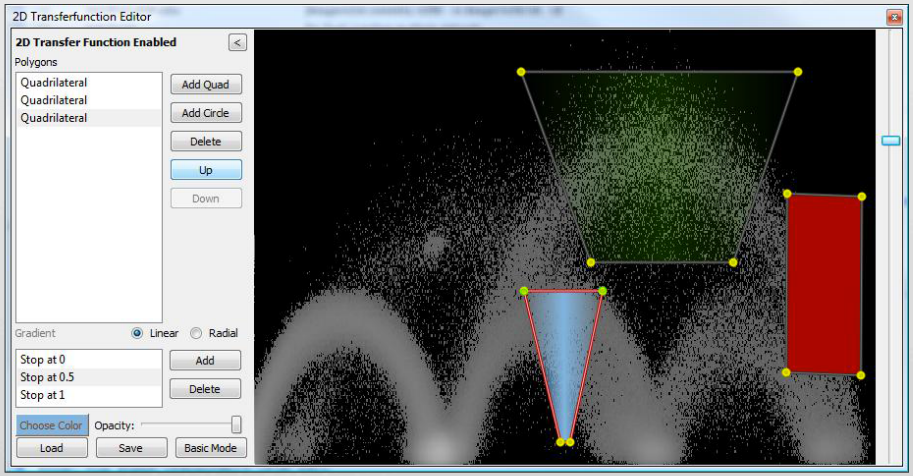


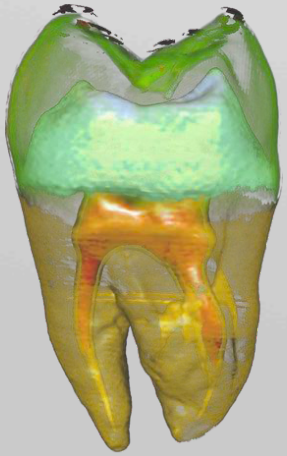


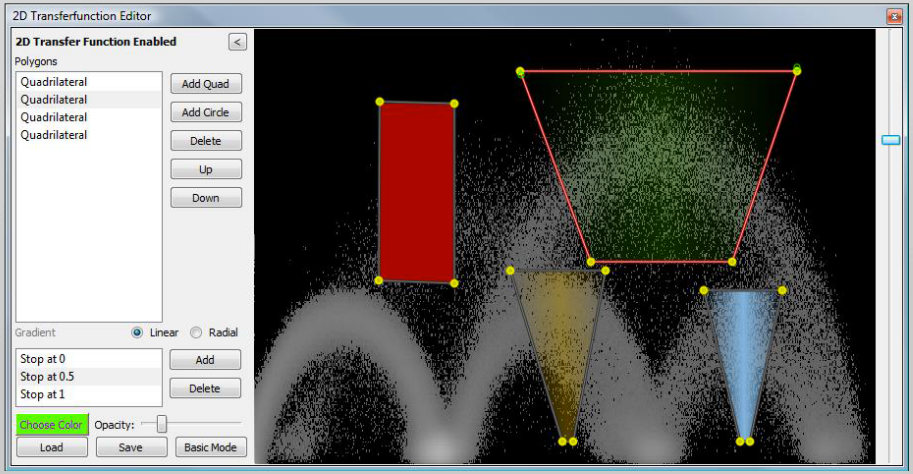


2D Transfer Functions

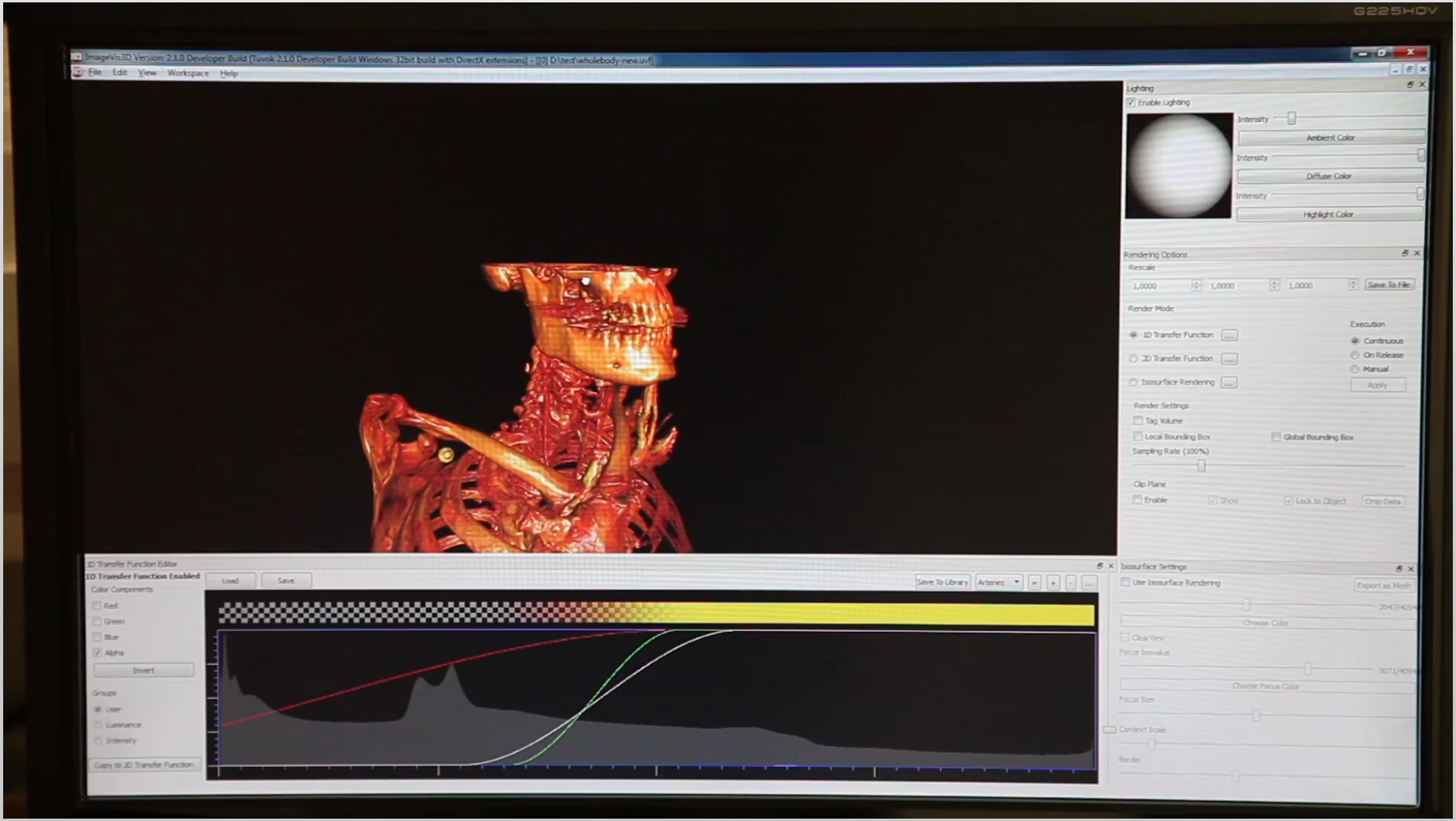




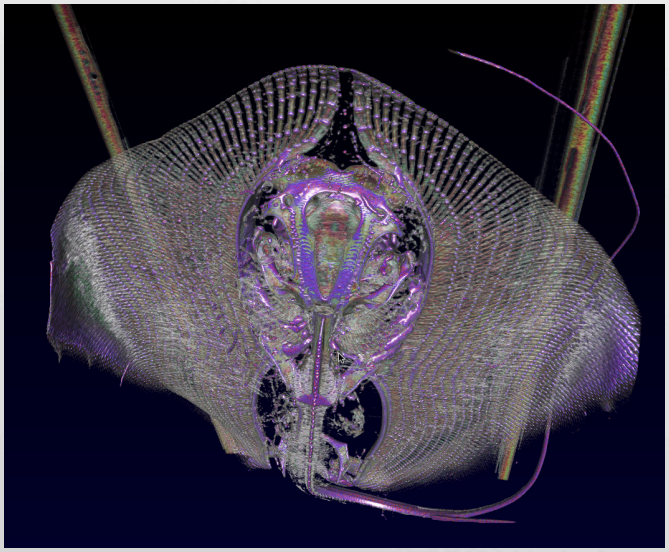


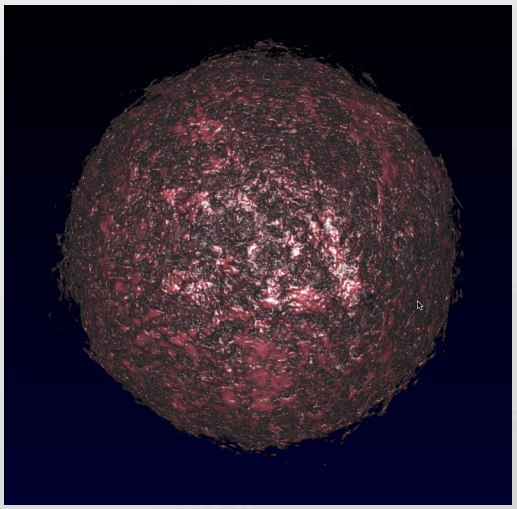


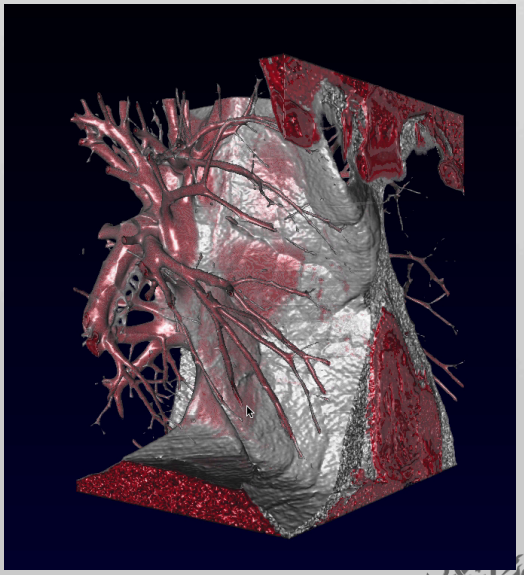
ImageVis3D – in action

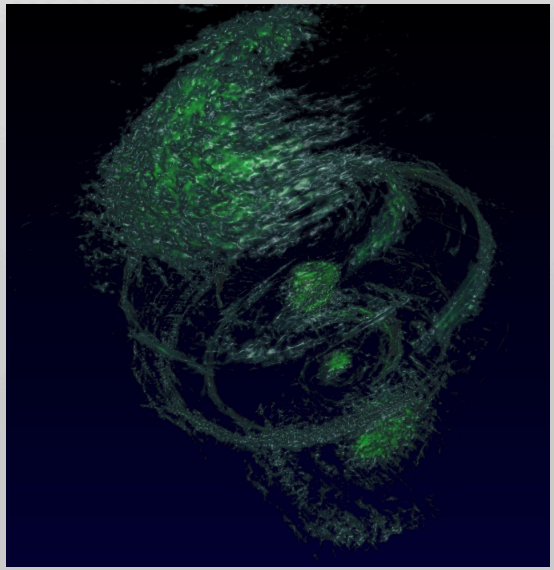


As a Teaching Tool







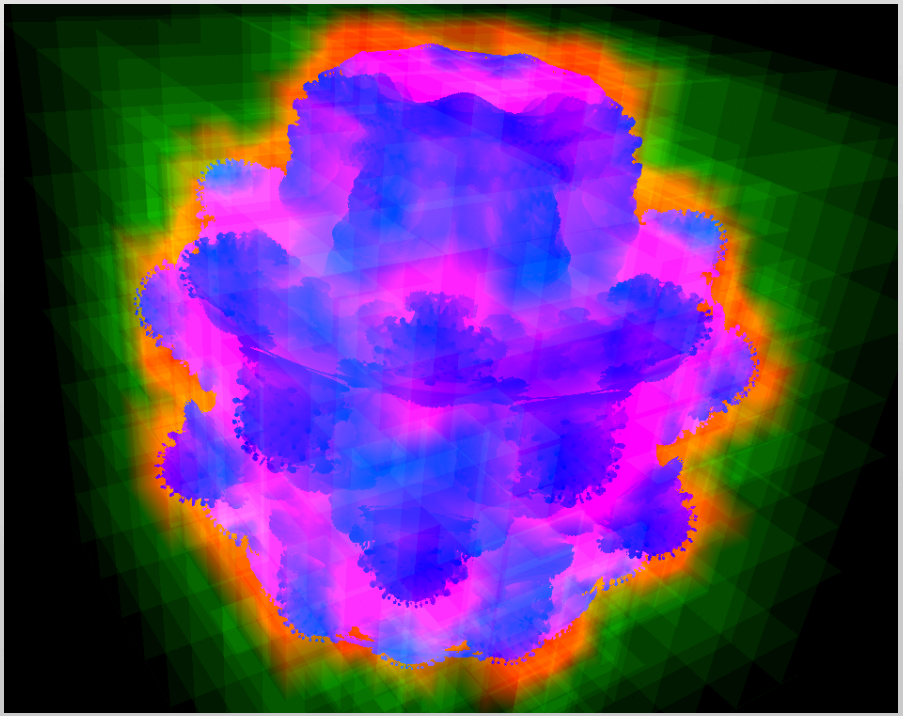


Today's Tools – Tomorrow's Scientists:

- https://vimeo.com/77005863

Future Work

- Improved rendering performance
- Dynamic re-bricking
- Client/server rendering
- Region-based statistics



Mandelbulb