I use to work in Vector Hidden Line Removal algorithms.

http://wheger.tripod.com/vhl

I have written algorithms to convert Constructive Solid Geometry to Boundary Representation in STEP file format

https://github.com/heger-valter/CAD/blob/master/STEP/StepSer.cpp

A synopsis of my NuPIC involvement can be found at

http://wheger.tripod.com/nupic

https://www.youtube.com/watch?v=rTII4pDnrVc