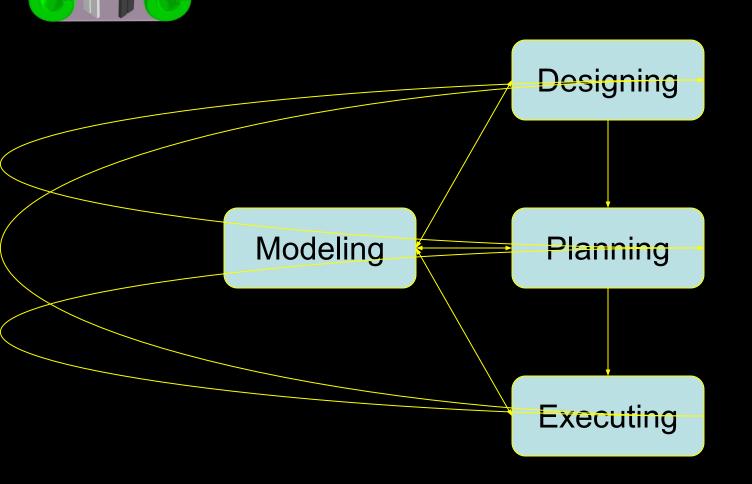
Information Technology Goals

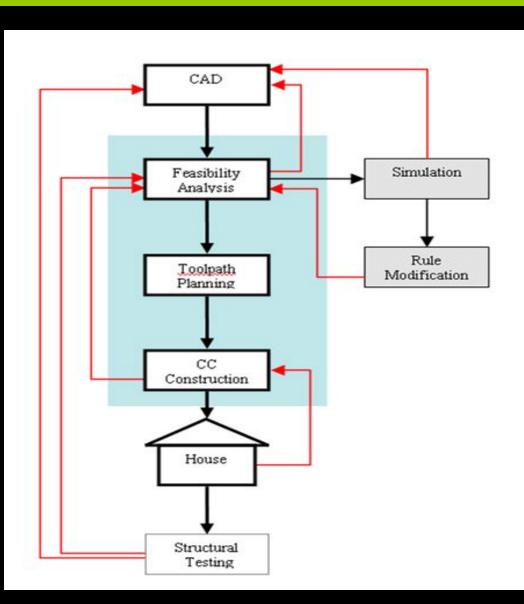
- Perform the fundamental research and develop the software components for automating mega-scale fabrication
- Integrate components with each other and with robots from other thrusts

Four Classes of Software

USC

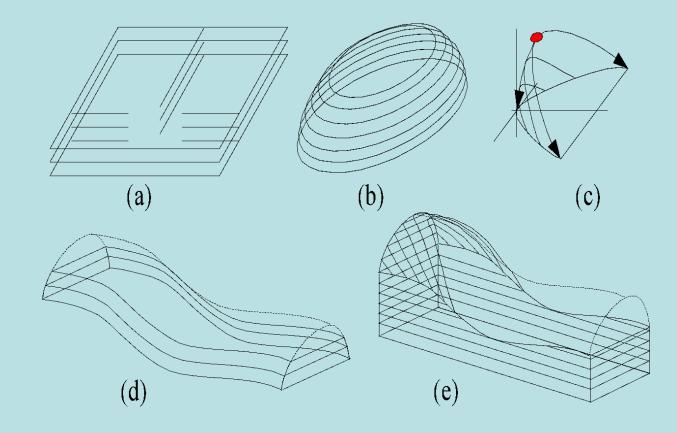


Research Plan



Layering various geometries

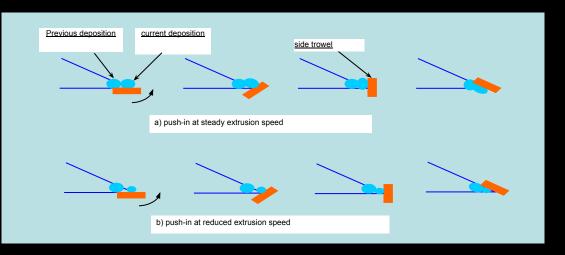
USC

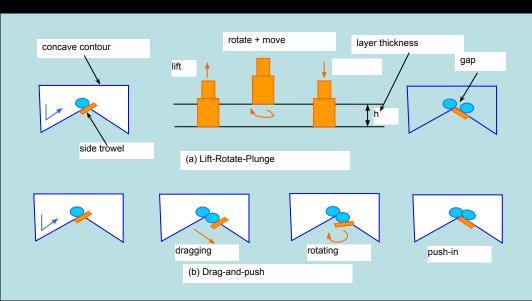




Trowel path planning and nozzle control around sharp convex corners

Trowel path planning

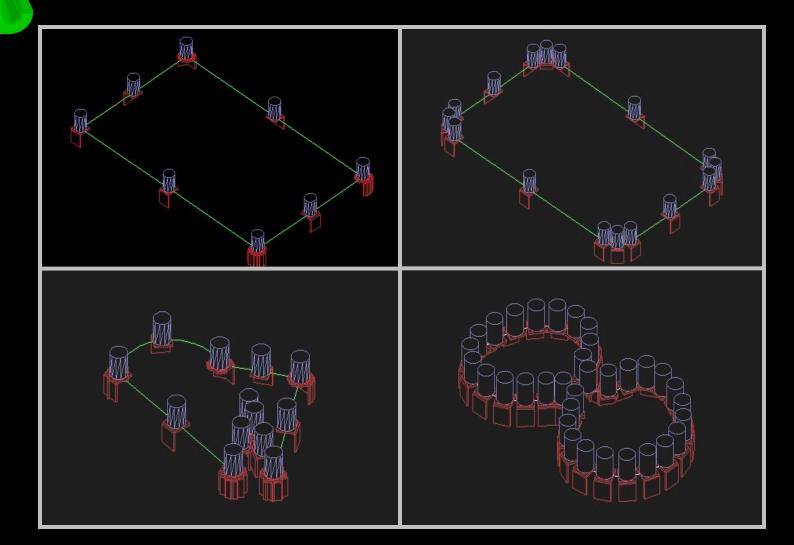




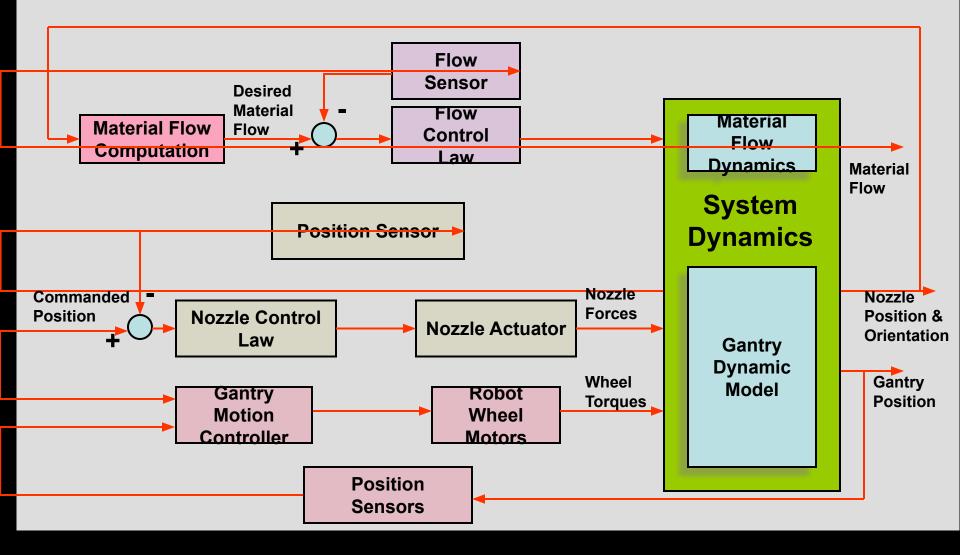
Trowel path planning and nozzle control around concave corners

Nozzle path planning

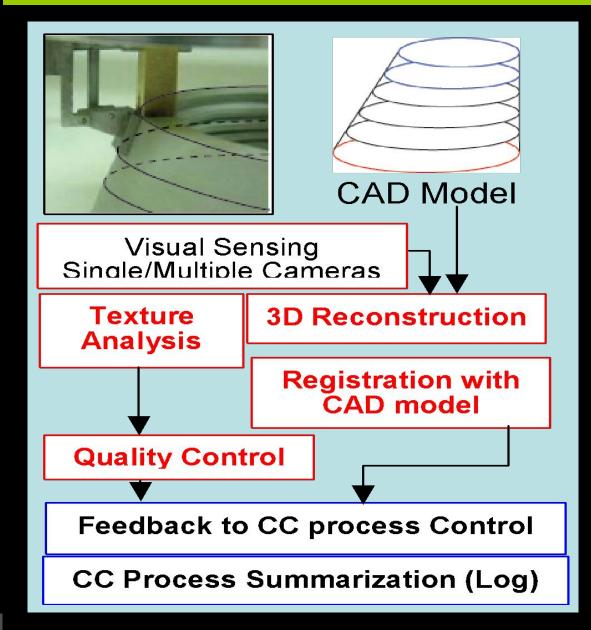
USC



Dynamic Control



Visual inspection Contour Crafting







The Integrated IT System

