

“CAD/CAM for Coded Assembly”

October 9, 2009
12:30 - 2:00pm
Room 3-133

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PhD
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Abstract

Natural resources are scarce, energy reserves are drying up, the robots are coming, and generally the end of the world is nigh. How do we reconcile the trends to both save the world, be proud of our progeny, and hedge our bets by having fun? I will present some work that seeks to build smart, robust, reconfigurable and scalable structures inspired by biological principles. Matter will be educated, robots will be repurposed, languages will be created, and bit-by-bit the future will be reconstructed. The task is daunting and I am easily amused and distracted by art and toy making. Thus after laying out the vision and steps in that direction, I will talk about a language for choreographing smart matter, cad/cam algorithms and tools for coded assembly, and inflatable structures, algorithmic clothing, and construction and puzzle toys based on coded assembly.

Bio:

gastonia, san mateo, san diego, northampton, san francisco, paris, cambridge, cambridge, berkeley. grey, orange, cobalt, pink, black, grey. art, science, art, science, music, science, art, invention. jonathan, pookie, jb, johnny, jack, j, jonathan, jach. j currently works at otherlab on inventions that make it easier to live within our means.