Synthesizing robots from specifications

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"incendiary idea"

Absolutely model things! Then build robots
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Absolutely model things! Then build robots

• Library of components
• Language(s) to describe assumptions and guarantees
• Composition and refinement operations
G. Jing, T. Tosun, M. Yim and HKG, An End-To-End System for Accomplishing Tasks with Modular Robots, RSS 2016
A. Mehta, J. DelPreto, K. W. Wong, S. Hamill, HKG and D. Rus, Robot Creation from Functional Specifications, ISRR 2015
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