Modular Self-Reconfigurable Buildings

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Dynamically Reconfigurable Office Space

Robotic partitions and furniture comprising an office space could anticipate occupant’s needs and respond appropriately, for example by reconfiguring individual workstations into a shared meeting space.

Live/Work Espresso Stand

Robotic building blocks are ordered and delivered to the building site.

During the day blocks reconfigure themselves into an espresso stand. The structure can respond dynamically to environmental conditions for example by growing an awning to protect the coffee counter when it rains.

At night the blocks reconfigure themselves into a bedroom to provide flexible residential infill.

Computational Design Lab

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