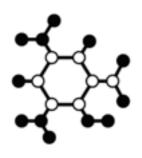
IOTOM

MAS.834 Tangible Interface

Meryl Fang Thomas Sanchez Lengeling Manisha Mohan Penny Webb HyeJi Yang

IOTOM Atom-inspired building blocks



Inspired by atom structures, we are using magnetism as connectors to realize computer/human-assisted assembly.



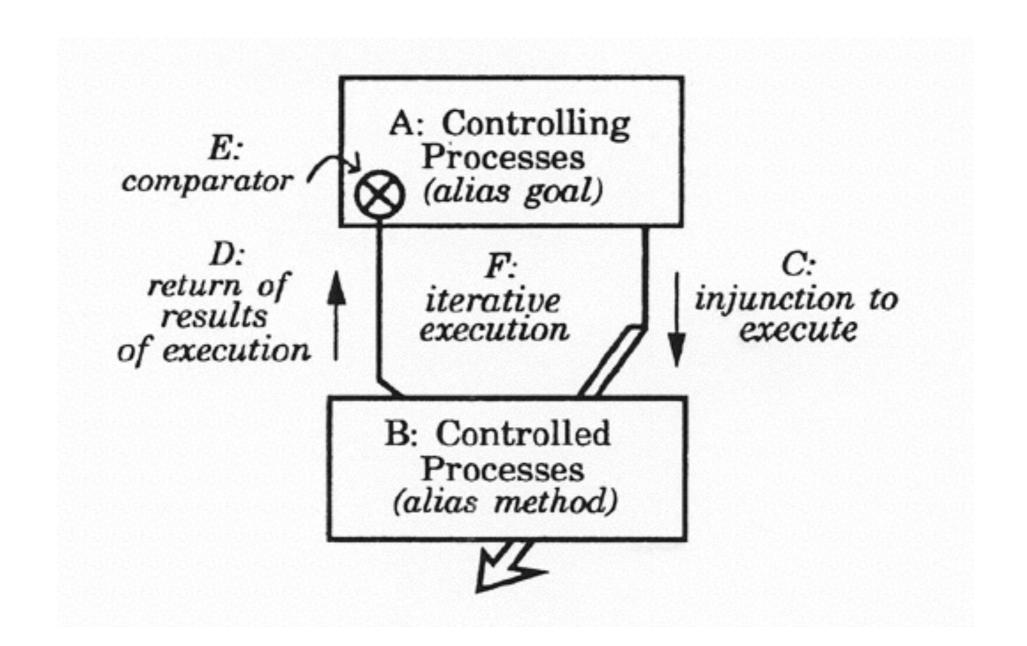
Building blocks with programmable on/off magnets create a dialog between the user and the material.



Data-driven shapes to allow versatile applications.

Programmable Assembly Design





Conversation Theory - Gordon Pask Bi-directional conversation between physical entities

Human Interaction

Autonomous Assembly

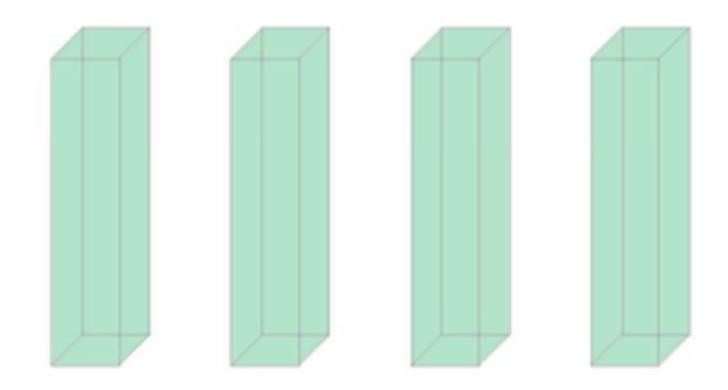




"Not even a Ph.D. in Topology helps: Prof. Volić Vs. the Ikea Fillsta lamp."



What do you want, block?



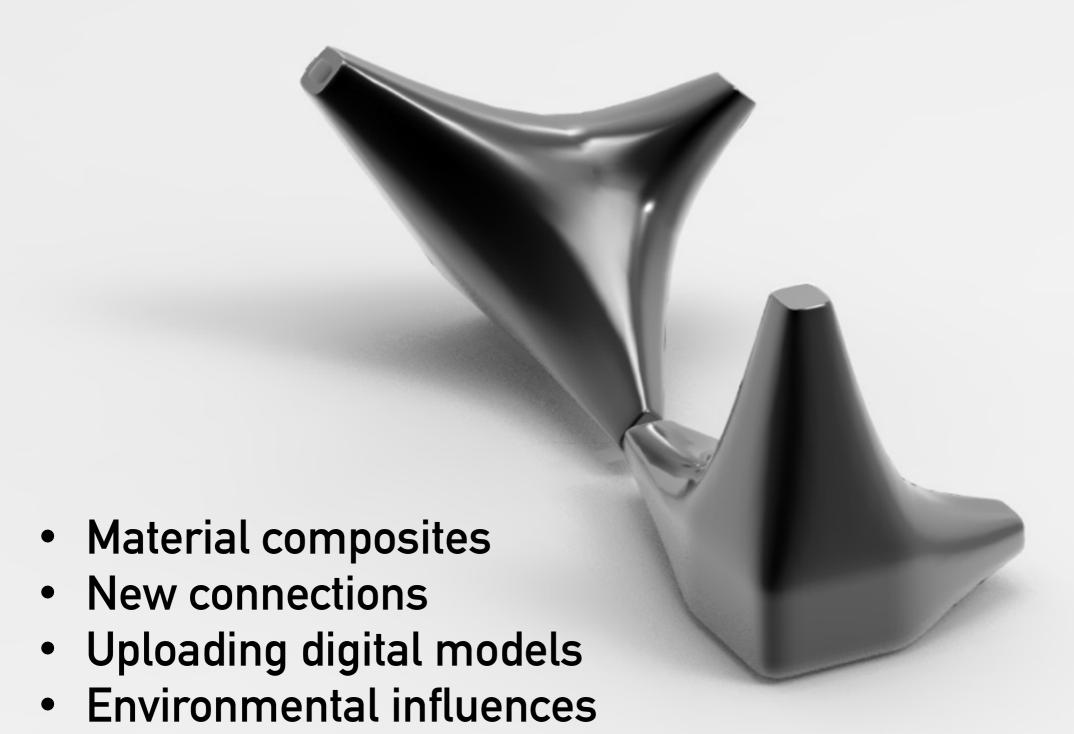
Blocks with embedded intelligence. Through programmable configurations, the connections and disconnections of any two blocks convey certain information, creating a dialogue with the human.

Applications





Next steps:



Thank you!