

Collaborative Ideation 0

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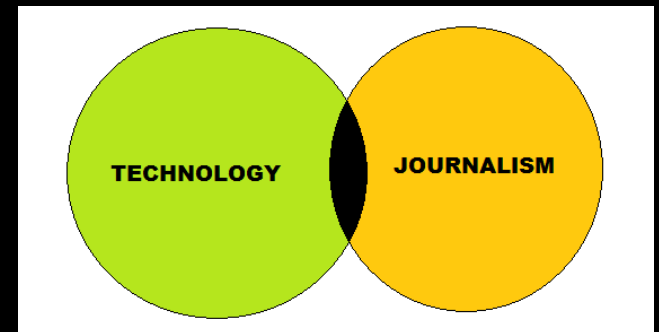
MIT Media Lab



CARROMSPACE

ABOUT ME

- MIT Media Lab (Center for Civic Media)
- My project: Machine Learning on large-scale journalistic corpora



PAST

- McCormick scholar at Medill (Northwestern, Chicago)
- Fellow at the Globe Media Lab (Boston Globe, NYTCO)
- Software architect and development manager for Bell Canada, leading Business Intelligence and data integration teams in Toronto, Montreal, London (Ontario) and Bangalore
- Computer Science/ Software Engineering degree from University of Western Ontario, Canada

The Boston Globe

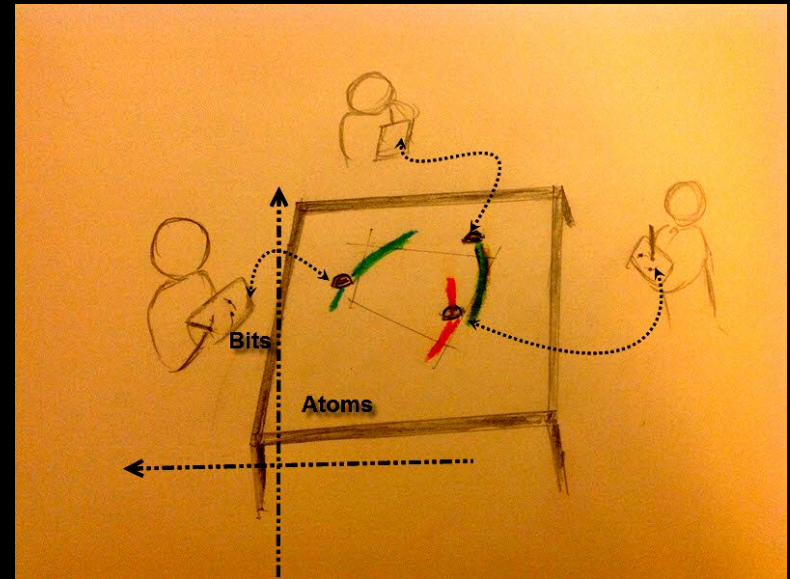


MEDILL
NORTHWESTERN UNIVERSITY



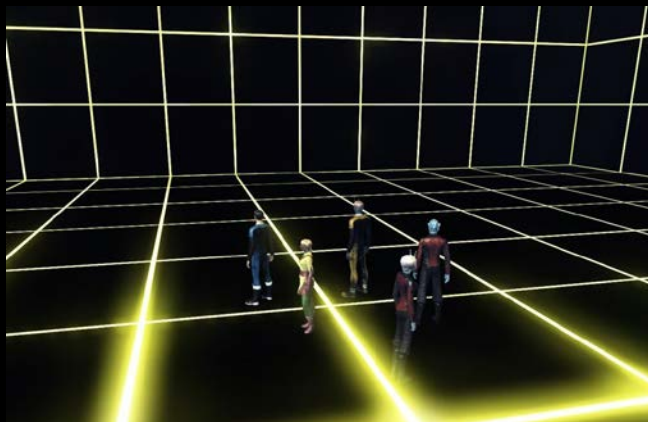
WHAT IS CARROMSPACE

- ❑ Carrospace is an approach for creating collaborative design or idea sketch or art using tangible controllers (sketch instruments) that are linked to physical space (workspace) through remote controlled apparatus (like mini pen bots)
- ❑ Motivation: Carrom board, people playing together on a shared space



SOFT SPACE PROBLEM

- ❑ Typical smart board: Output is in soft form
- ❑ Sketch -> print -> see
- ❑ Lag between output and effort
- ❑ Lack of conformance between physical and soft/virtual world



OUTPUT IN PHYSICAL SPACE (CO-EXTEND VIRTUAL AND PHYSICAL)

- ❑ Typical smart board: Output is in soft form
- ❑ Sketch -> print -> see
- ❑ Lag between output and effort
- ❑ Lack of conformance between physical and virtual/soft world
- ❑ Output in physical space
- ❑ Need for a tangible output space (Ishii, Bits and Atoms)
- ❑ Co-extend physical and virtual space



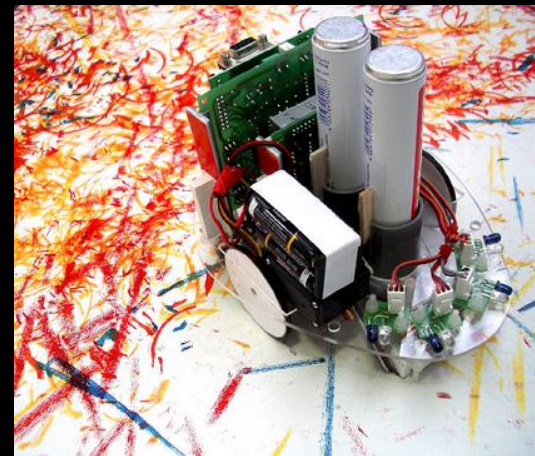
BITS AND ATOMS: TANGIBLE CONTROLLER

- ❑ Tangible Controller
- ❑ Electronic pad and stylus or a joystick remote control transmitter
- ❑ Software kit (transmitter/receiver) to interact with mini pen bots (bits)

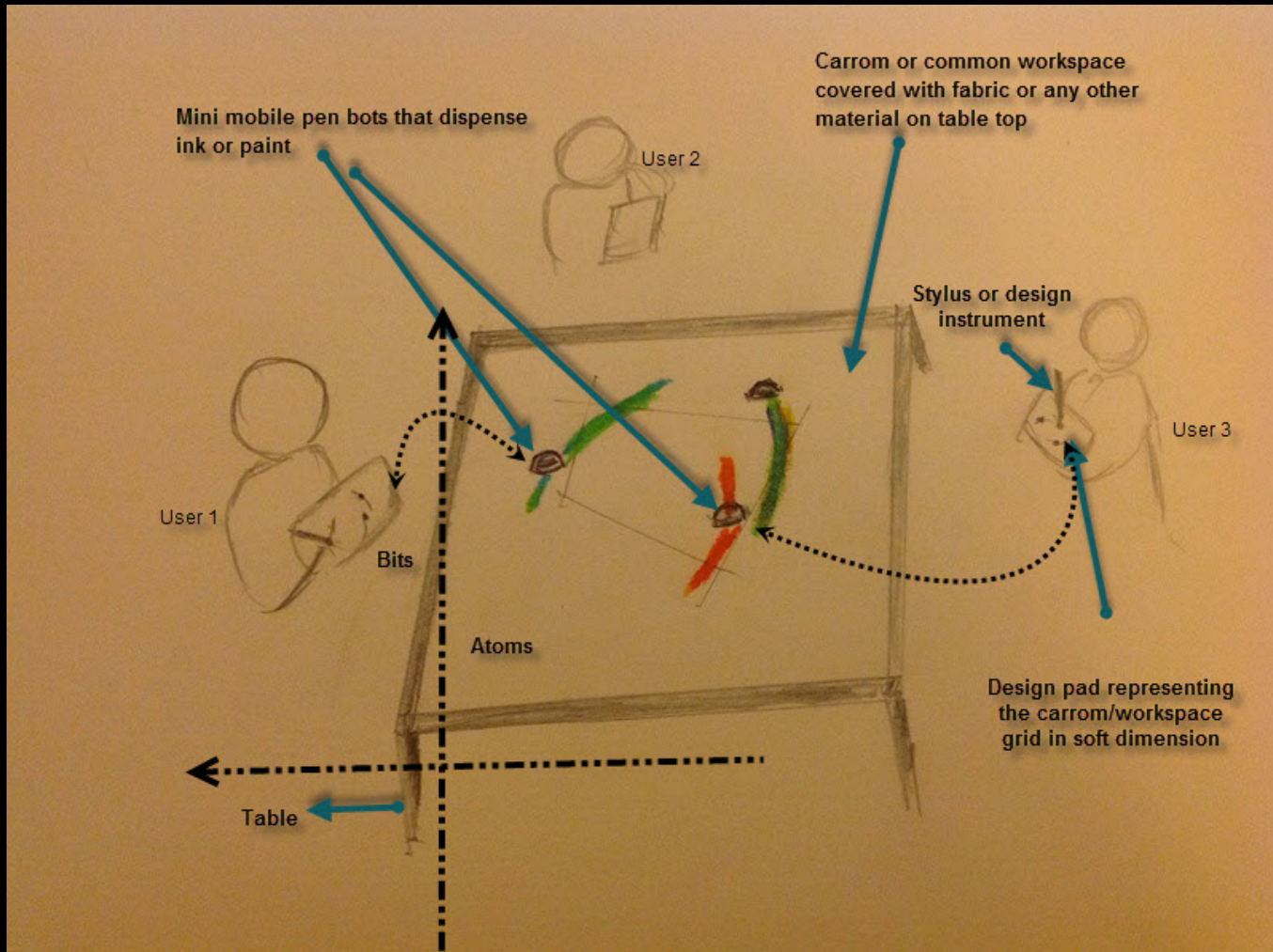


BITS AND ATOMS: MINI PEN BOTS

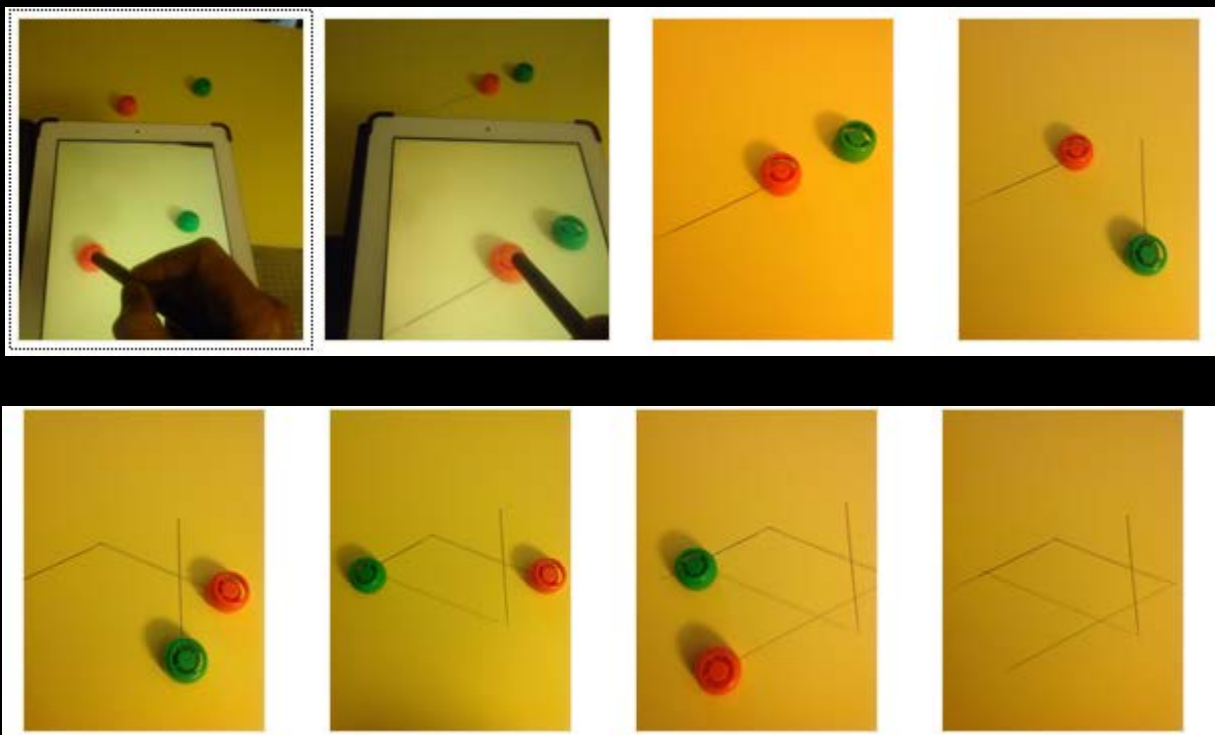
- Mobile (wheels)
- Dispense ink or paint
- Receiver
- Color Sensors
- Markers
- Locomotion paths (forward, backward, left, right)



CARROMSPACE



CONCEPT VIDEO SKETCH



Video: <http://www.youtube.com/watch?v=HxBB-E2iQHA>

MODELING

