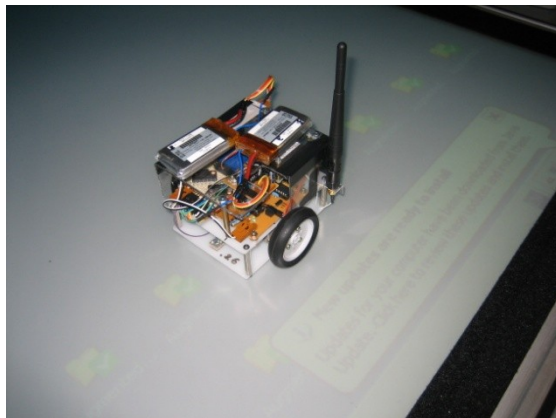


Remote Active Tangible Interactions

Jan Richter, Bruce H. Thomas, Maki Sugimoto and Masahiko Inami



RATI

Remote Coll.

Active Tangible

Presence

Furniture Layout

User Study



Each Robot Slaved



reactTIVision: A Computer-Vision Framework for Table-Based Tangible Interfaces

Kaltenbrunner, M. & Bencina, R.



++ open source framework for table-top interfaces, tracking fiducial markers attached onto physical objects, as well as for multi-touch finger tracking.

++ fast and accurate: stable position and angle calculation of currently 180 compact markers, in real time video stream

++ standalone application that sends Open Sound Control messages to attached clients. example projects are available for C++, Java, C#, Processing, Pure Data, Max/MSP, Flash ...

++ binaries available for Windows, Mac OS X and GNU/Linux

<http://reactivision.sourceforge.net/>

Siftables: Toward Sensor Network User Interfaces

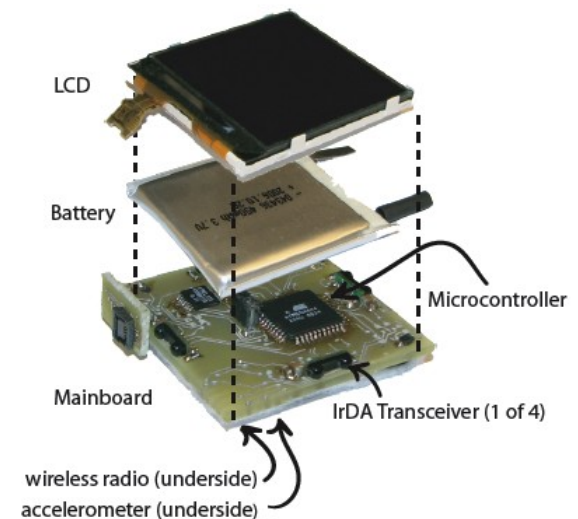
David Merrill, Jeevan Kalanithi, Pattie Maes

Siftables = Sensor Network + TUI

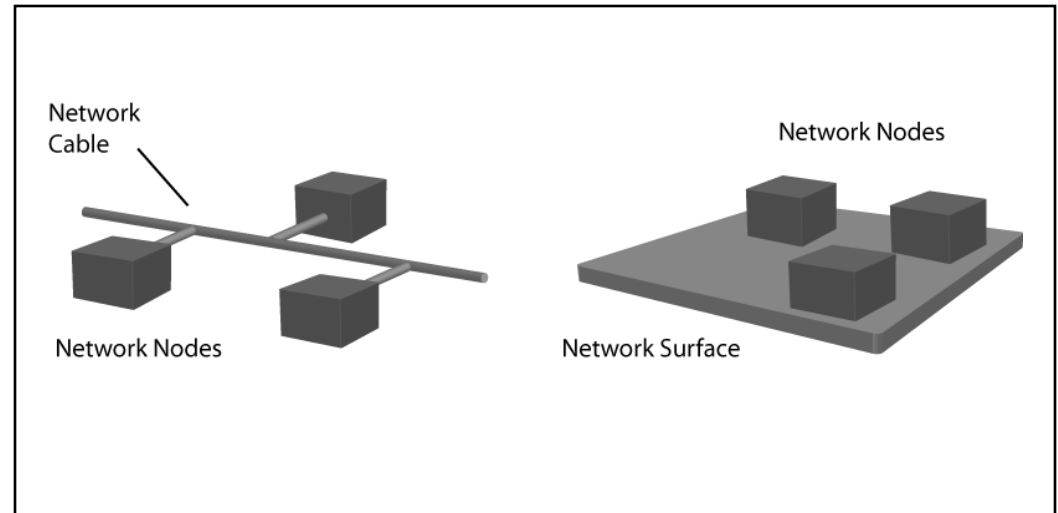
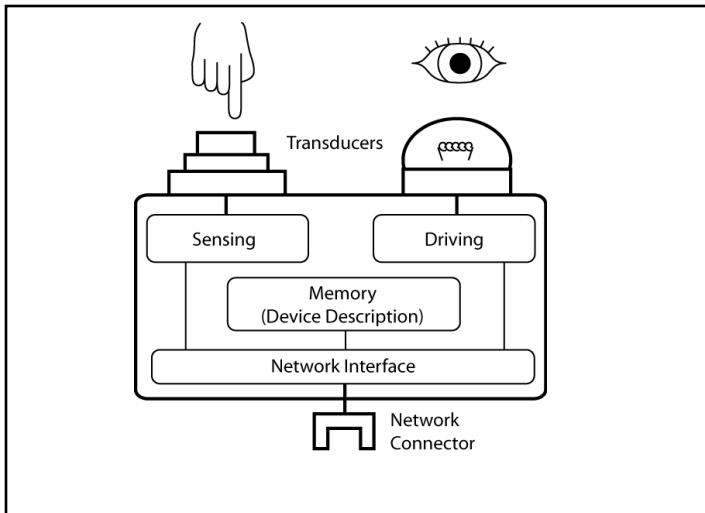
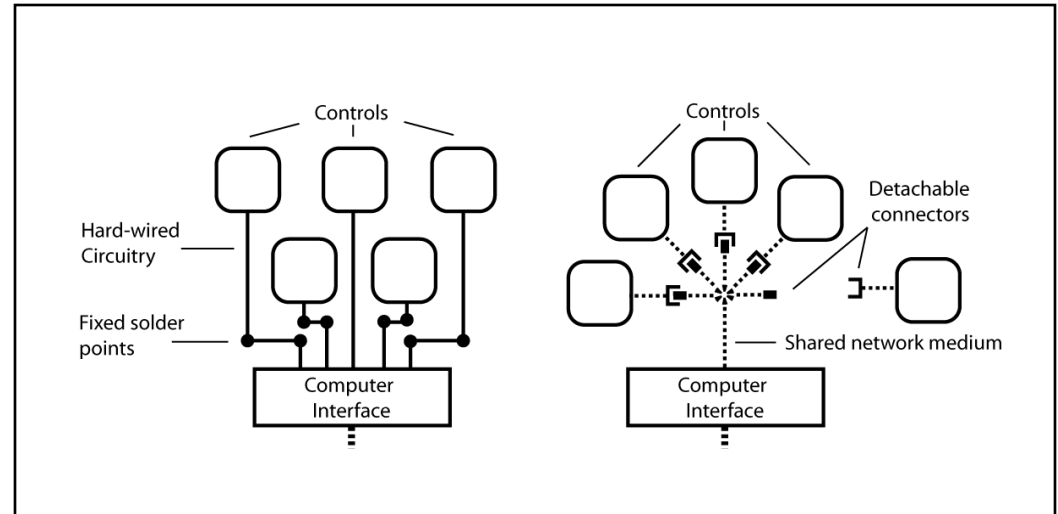
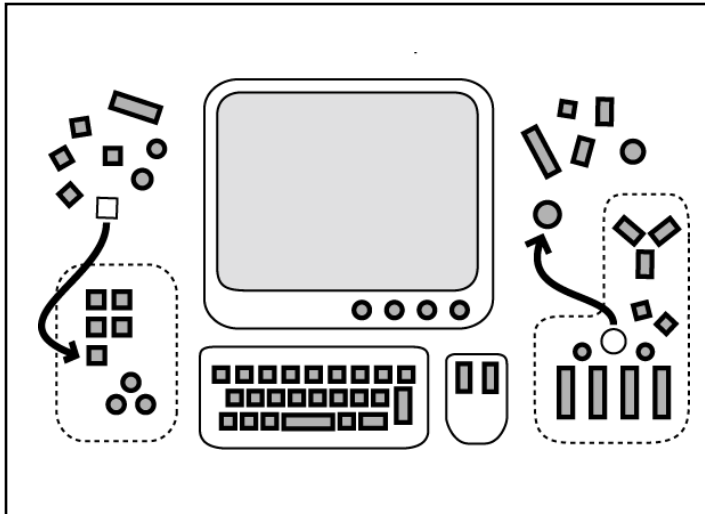
...a TUI that is light, direct, scalable & polymorphic

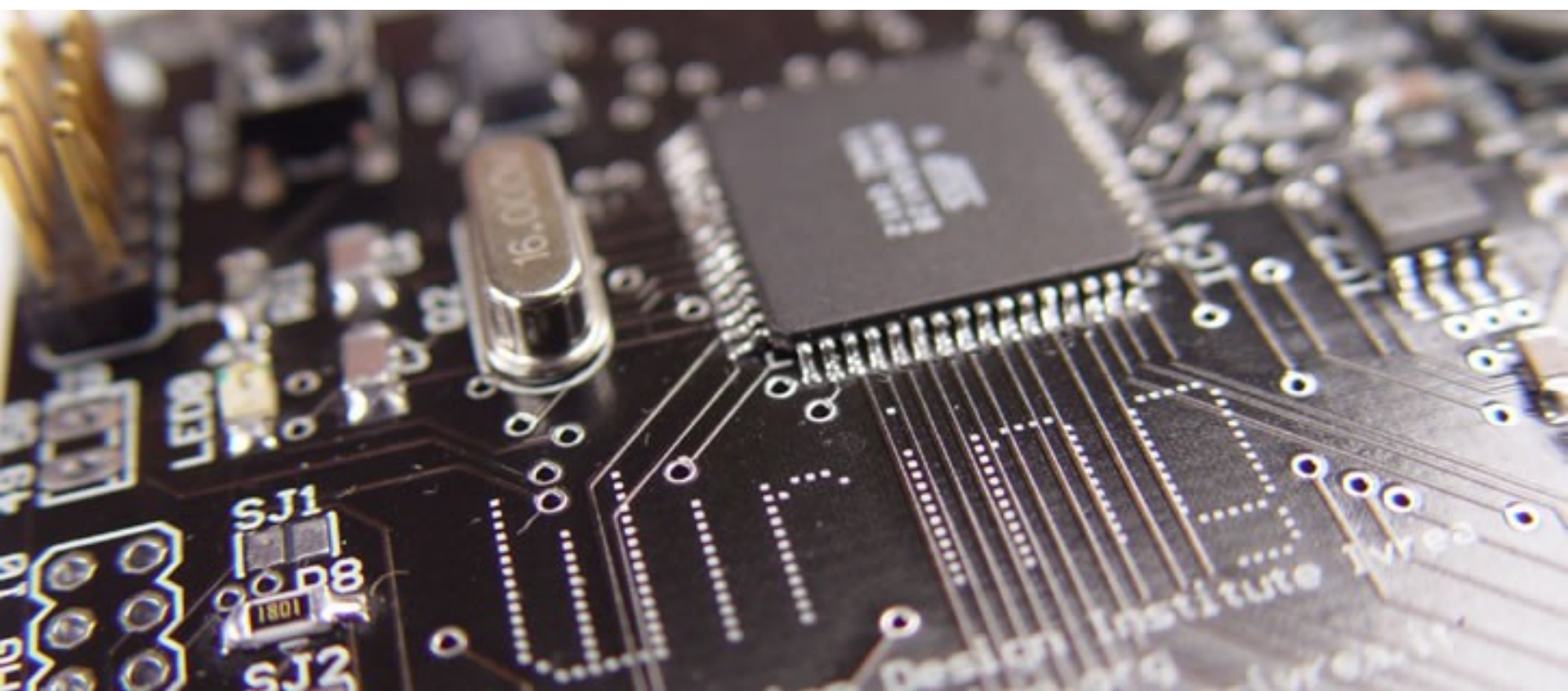


Siftables are inspired by the human ability to physically sort lots of physical objects.



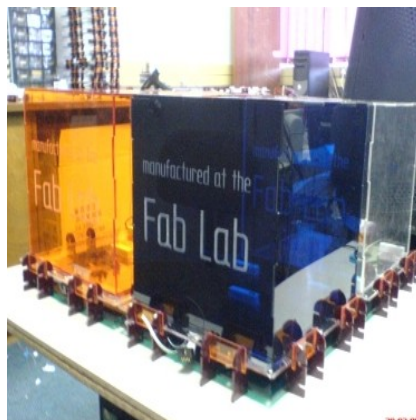
Voodoo I/O: Reconfigurable Interface Hardware



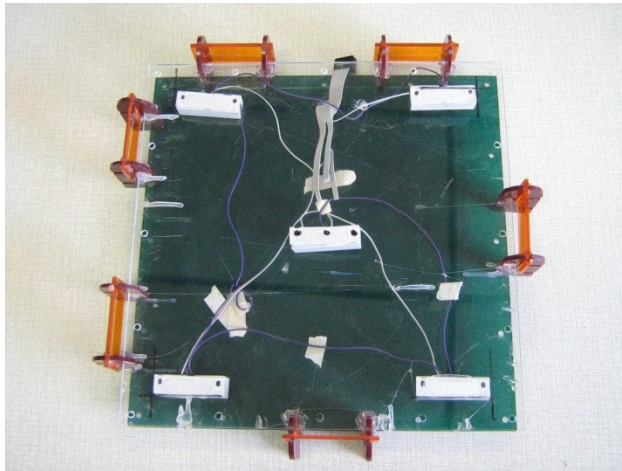


Using Magnets in Physical Blocks that Behave as Programming Objects

Andrew C Smith



Meraka Institute



D15



Meraka Institute

Collaborative Ambient Systems by Blow Displays

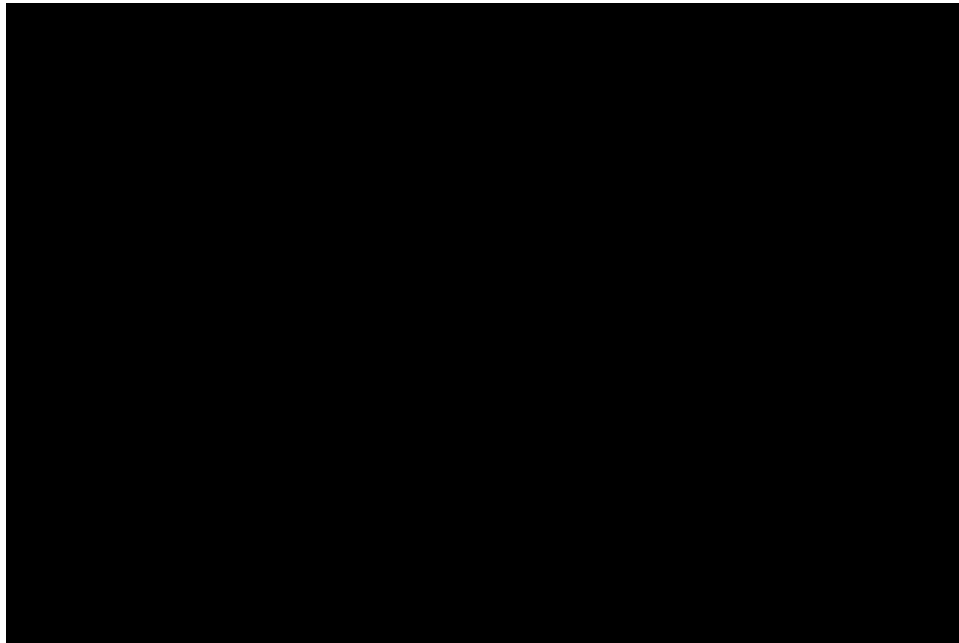
Mitsuru Minakuchi

Satoshi Nakamura

After diet



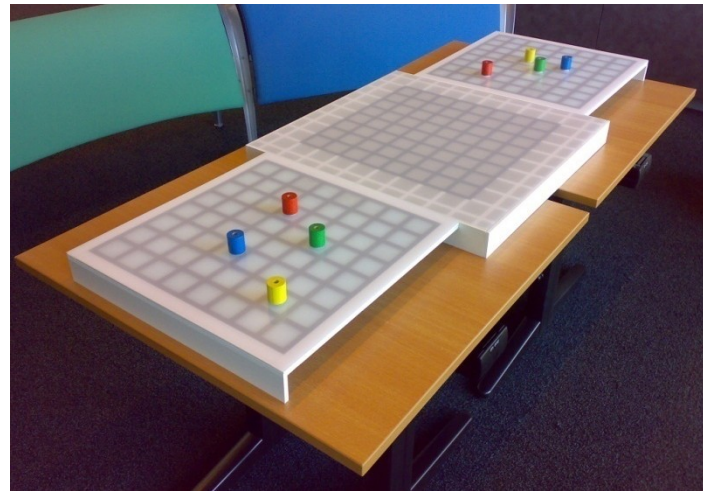
Making users to be aware information with wind



and more...

TagTiles: optimal challenge in educational electronics

Janneke Verhaegh, Willem Fontijn, Jettie Hoonhout



PHILIPS

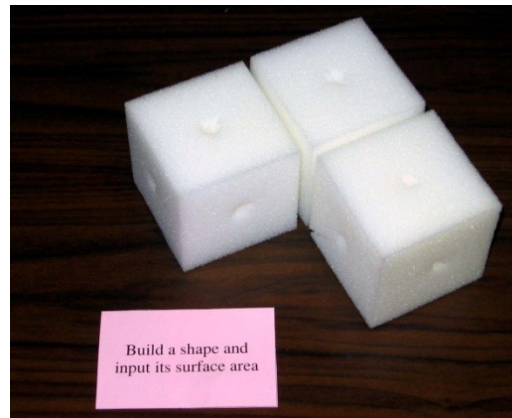


Let's play TagTiles!

D11

Smart Blocks: A Tangible Mathematical Manipulative

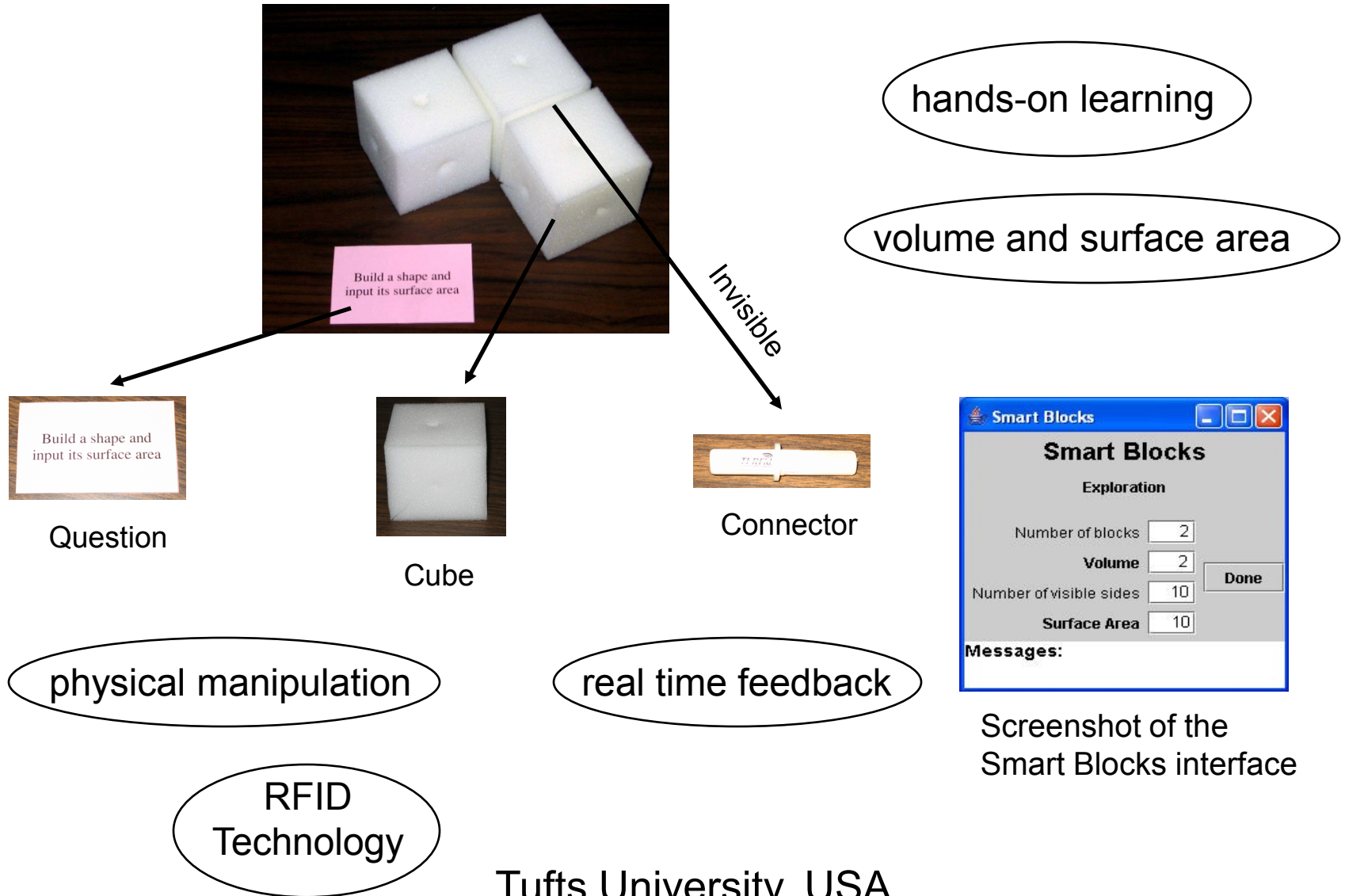
**Audrey Girouard, Erin Treacy Solovey, Leanne M. Hirshfield,
Stacey Ecott, Orit Shaer, Robert J. K. Jacob**



Tufts University, USA

Smart Blocks: A Tangible Mathematical Manipulative

D10



Tufts University, USA

CabBoots - Shoes with Integrated Guidance System

Martin Frey







TEI '07

Two Minute Madness

P10

First International Conference on Tangible and Embedded Interaction

When is Role Playing really experiential?

Stella Boess, Daniel Saakes & Caroline Hummels

University of Technology Delft & Technische Universiteit Eindhoven

TEI '07

Two Minute Madness

P10

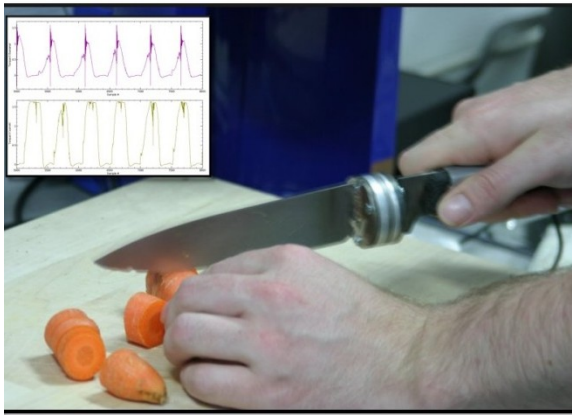
First International Conference on Tangible and Embedded Interaction



University of Technology Delft & Technische Universiteit Eindhoven

Context-Aware Kitchen Utilities

Matthias Kranz, Albrecht Schmidt,
Alexis Maldonado, Radu Bogdan Rusu, Michael Beetz,
Benedikt Hörnler, Gregor Rigoll



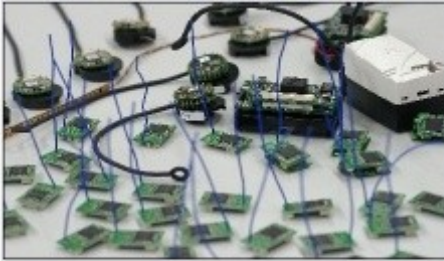
Nutrition
planning

Shopping

Cooking

Eating

P01



University of Munich