

ALTERNATIVE FORM FACTORS OF SURFACE COMPUTING

Hrvoje Benko - Microsoft Research

MSR Faculty Summit – July, 2009



Sphere



Dome



4x6



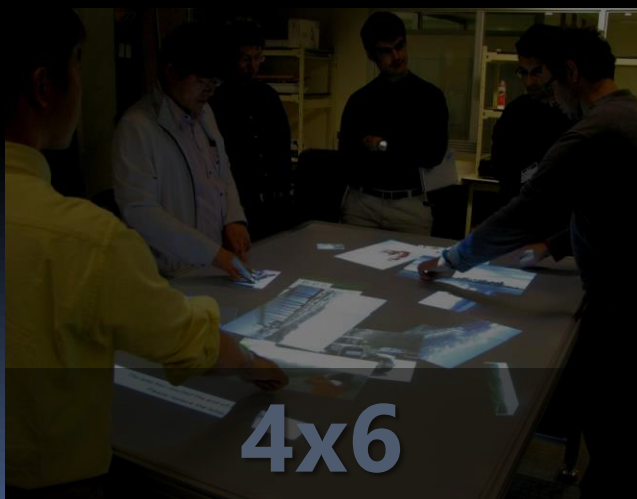
Touch+Muscle



Sphere



Dome



4x6



Touch+Muscle

with Andy Wilson and Ravin Balakrishnan

Video: Sphere

- Video

Video: MiniSphere

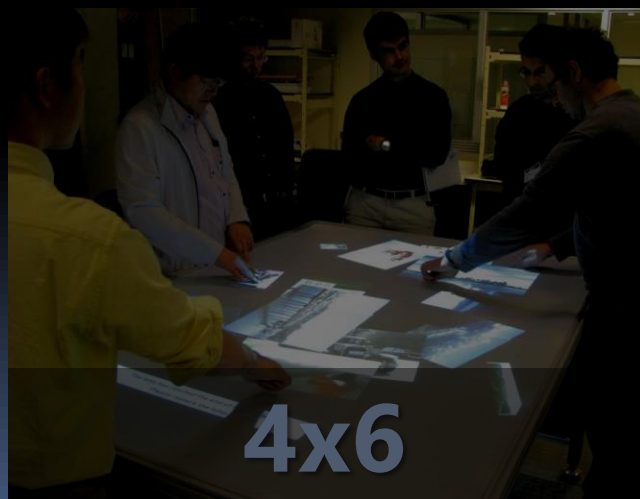




Sphere



Dome

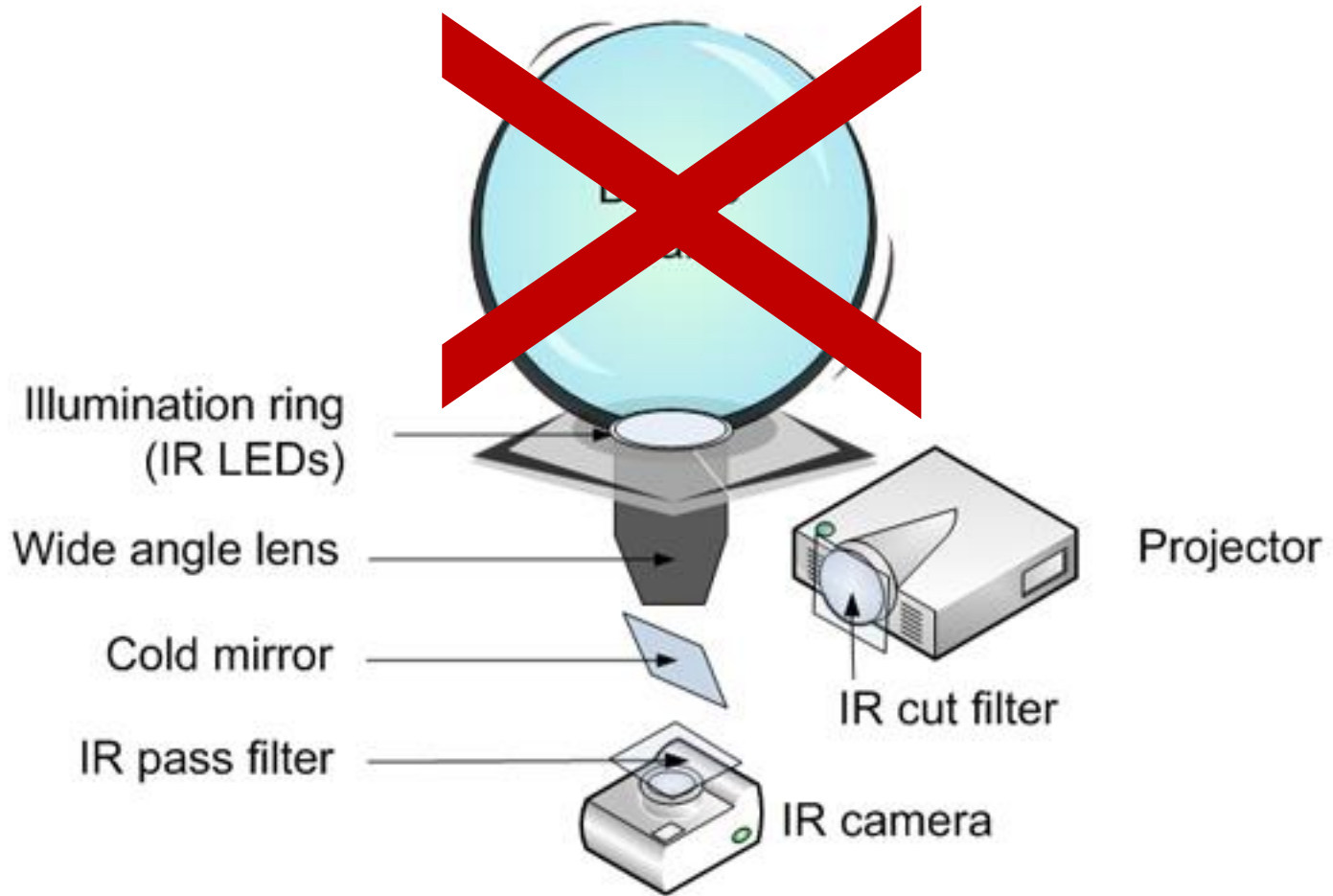


4x6



Touch + Muscle

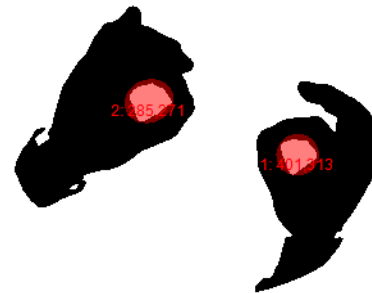
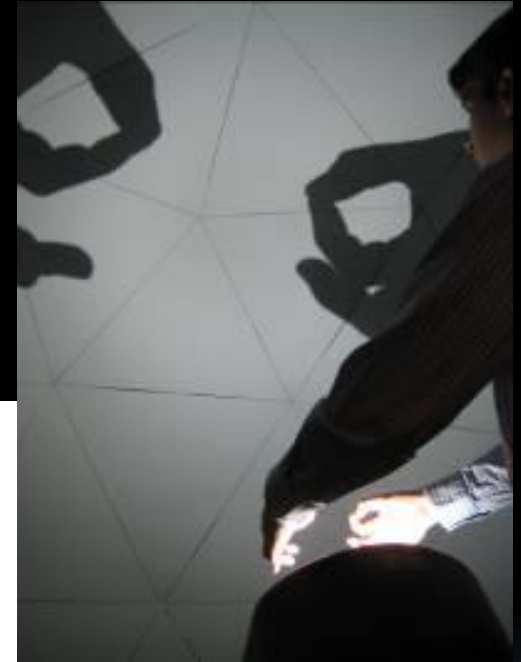
with Andy Wilson and Jonathan Fay







Pinching Gestures



Video: Dome

- OmniDirectional Content:
 - WorldWideTelescope
 - RoundTable 360 deg. camera
 - 3D social network graph
- Video



Sphere



Dome



4x6



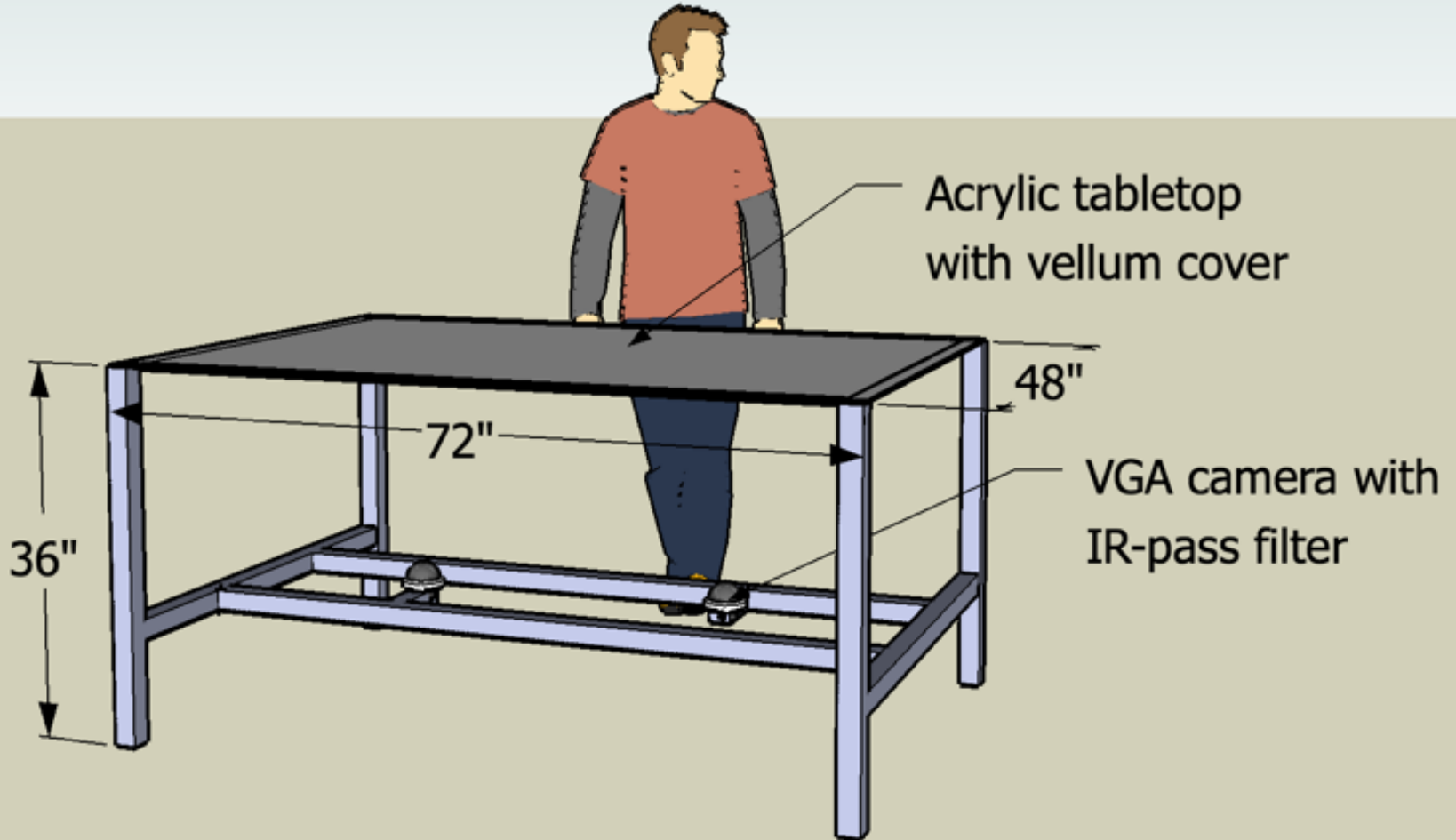
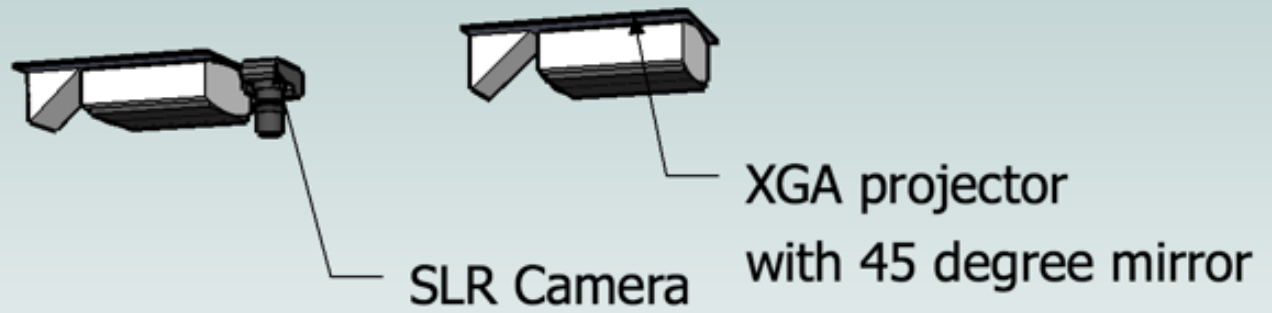
Touch+Muscle

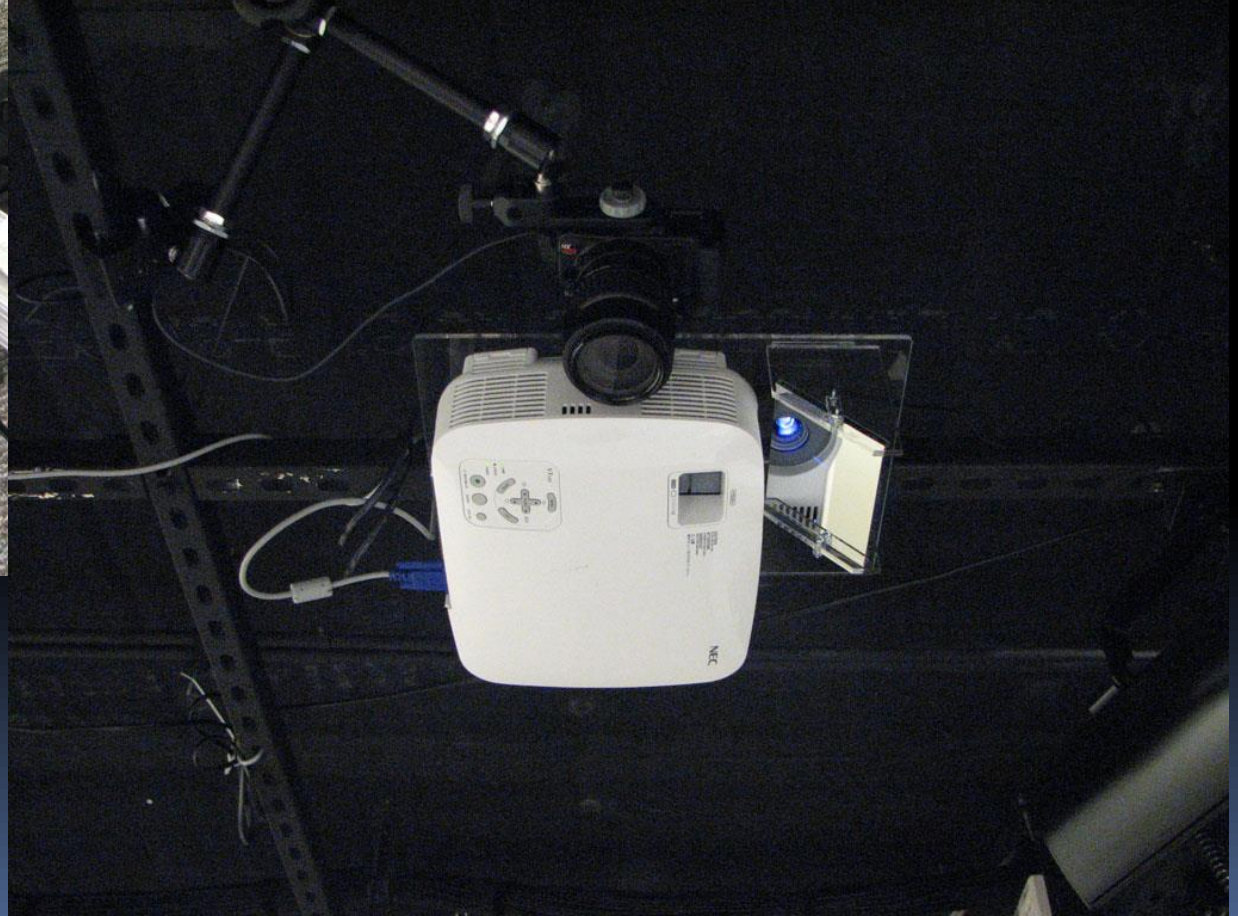
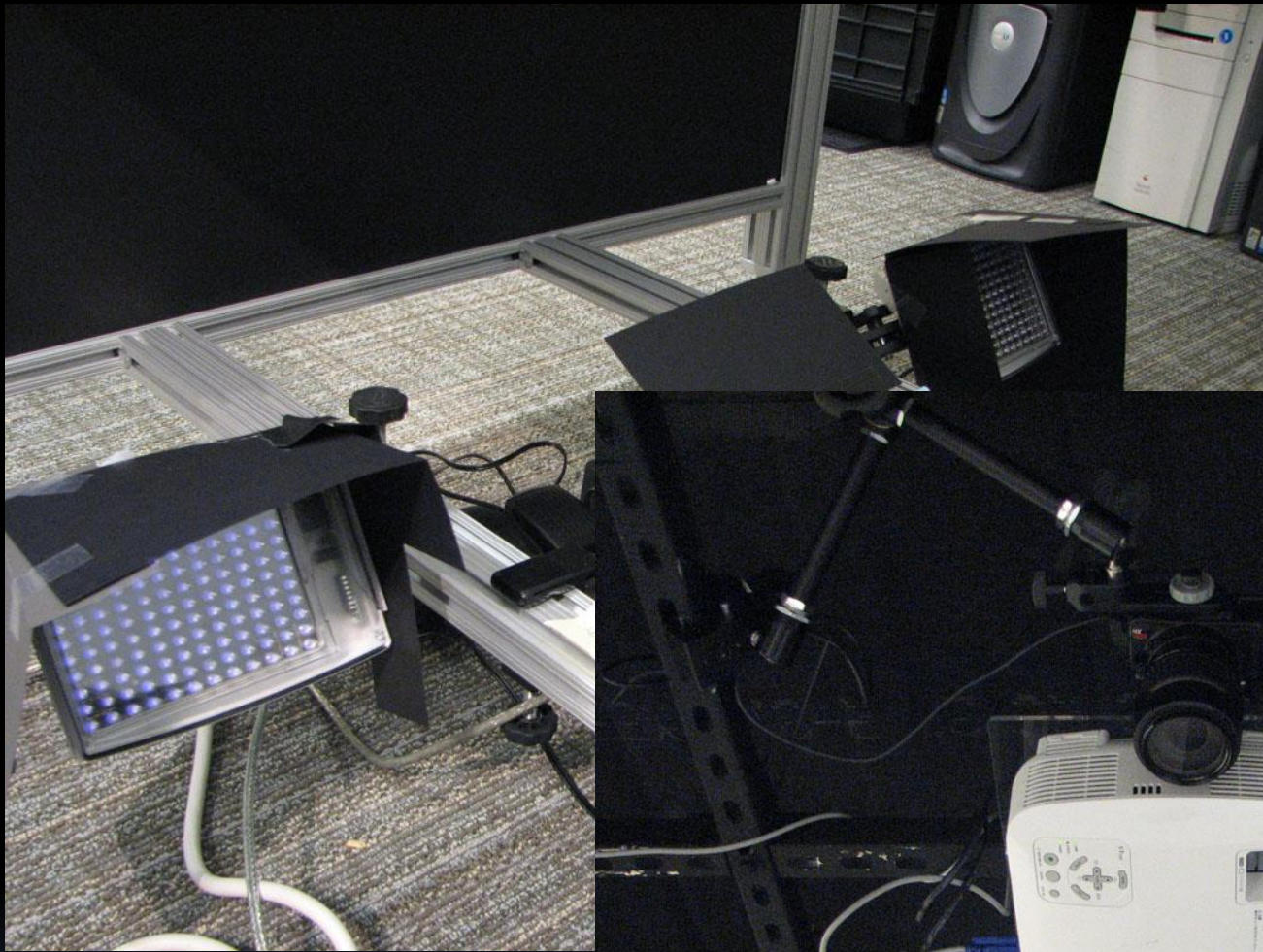
with Björn Hartmann, Merrie Morris, and Andy Wilson





Hardware

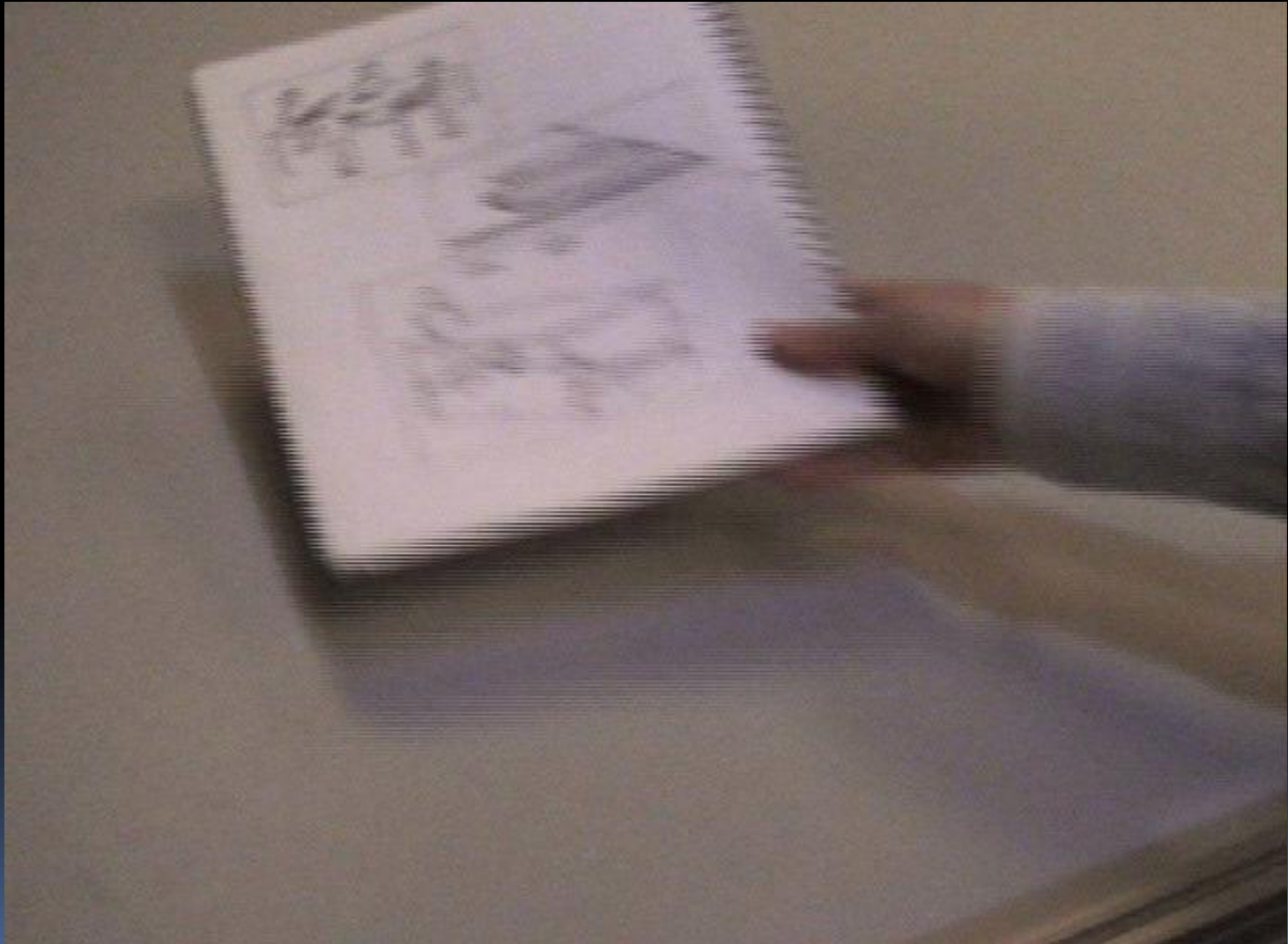




View From the Top (4272x2848 pixels, 60dpi)



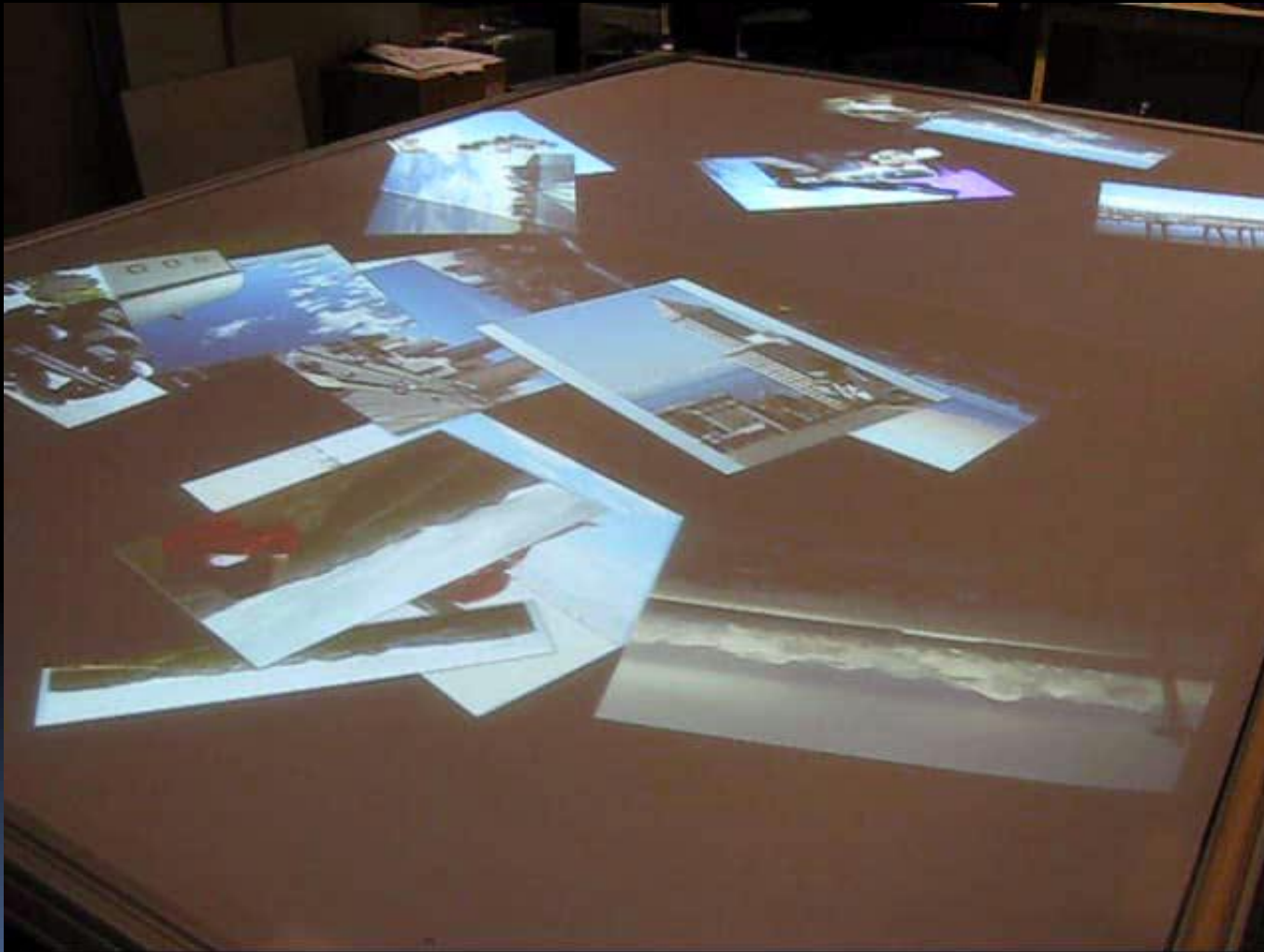
Video: Capture + Annotate



Video: Interactions



Video: Interactions on a distance



Video: Rapid Prototyping Scenario

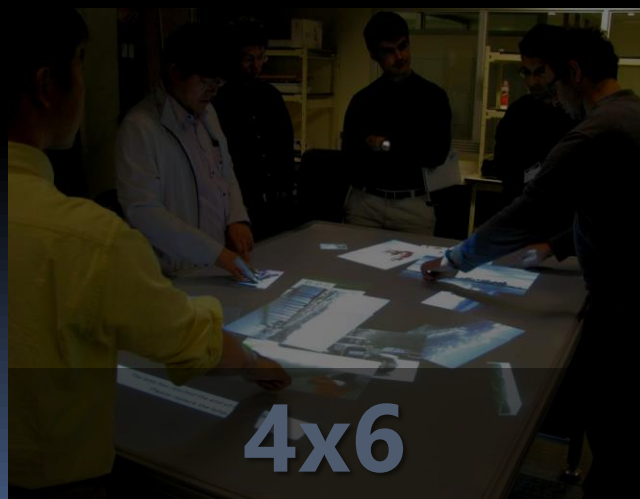
Scenario



Sphere



Dome



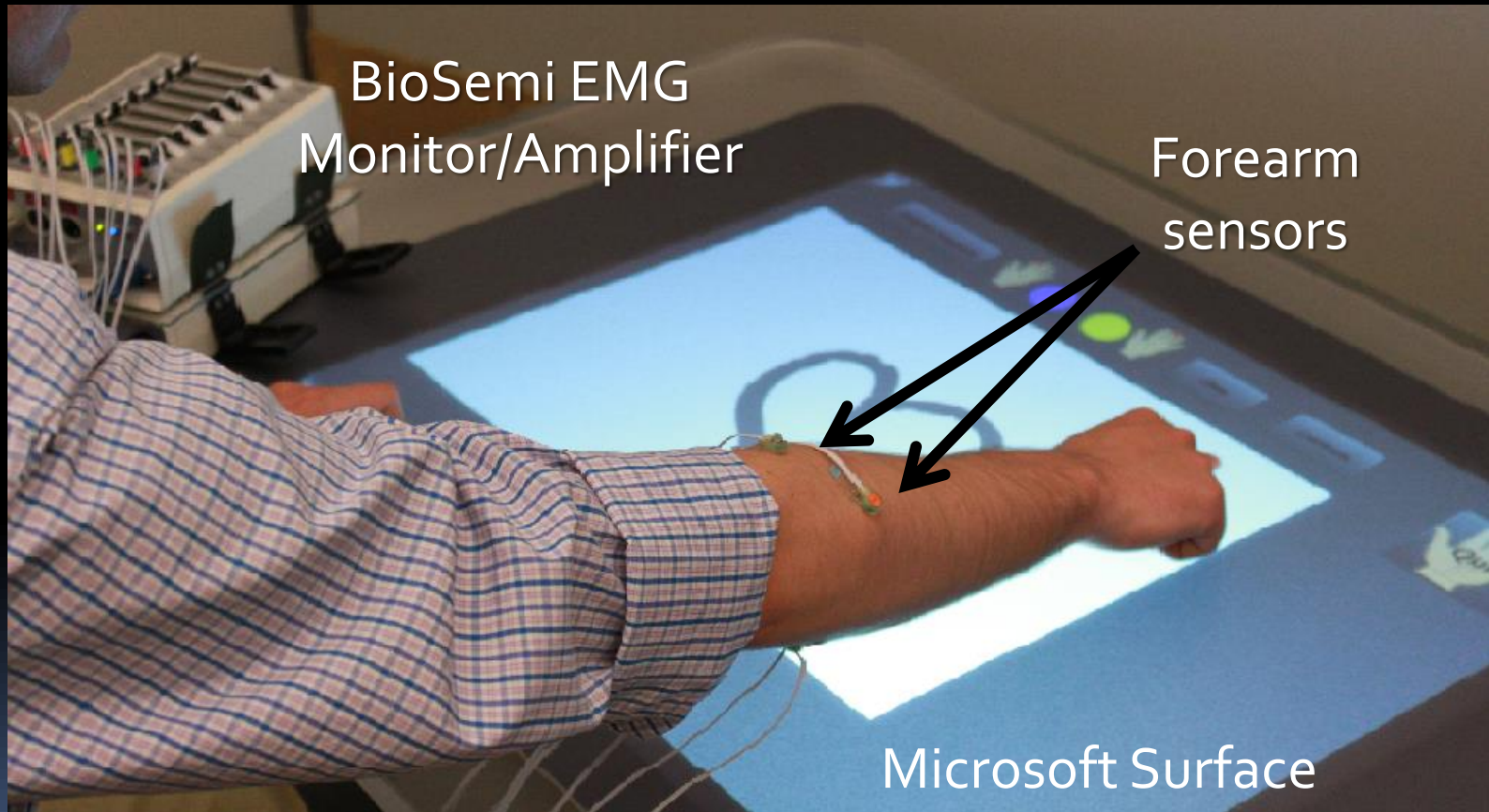
4x6



Touch+Muscle

with Scott Saponas, Dan Morris, and Desney Tan

Combining Muscle and Touch Sensing



Video: EMG + Surface

- Video

Contact

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