

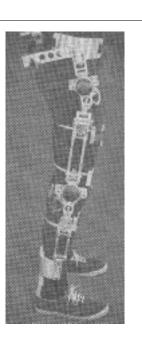
rehabilitation

Durfee & Goldfarb, MIT Biomechanics Lab: controllable brake aids paraplegics in walking



Hogan & Krebs, MIT Biomechanics Lab: retraining stroke patients while measuring their progress.

Haptic User Interfaces

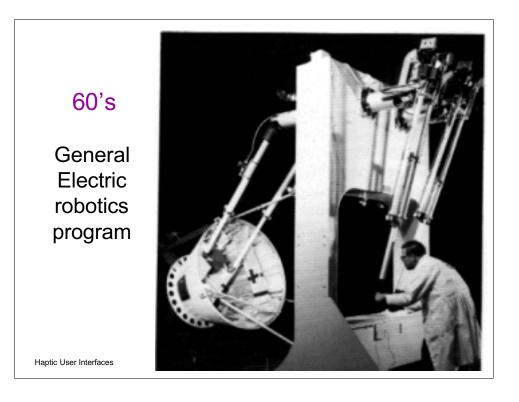


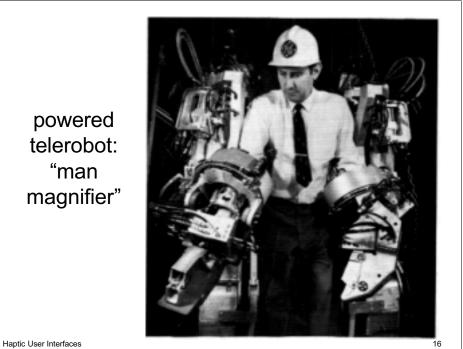


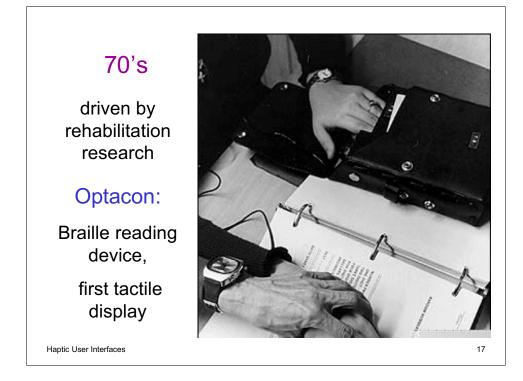


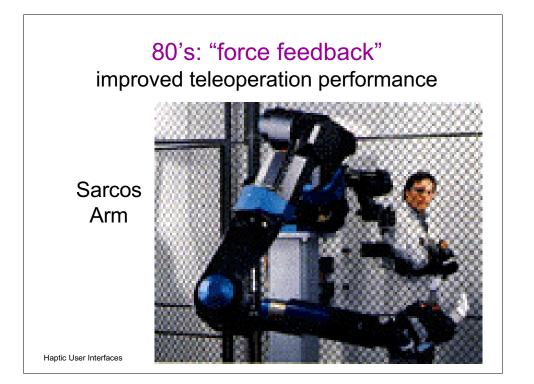


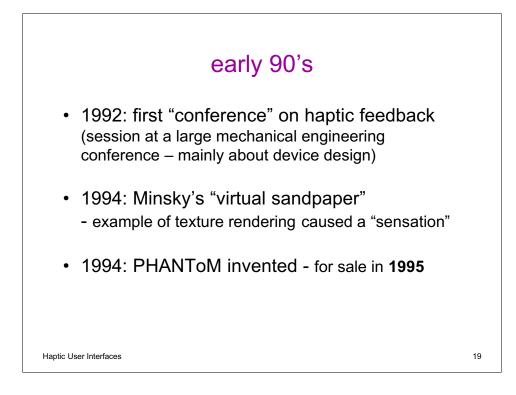


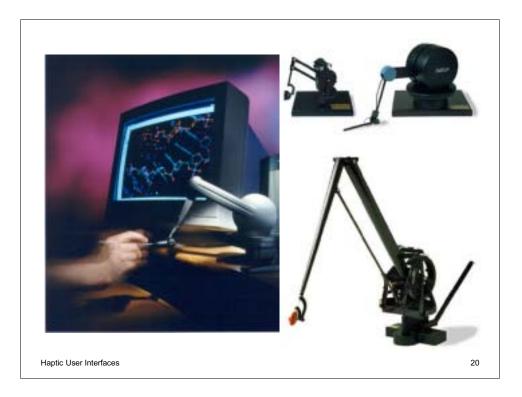


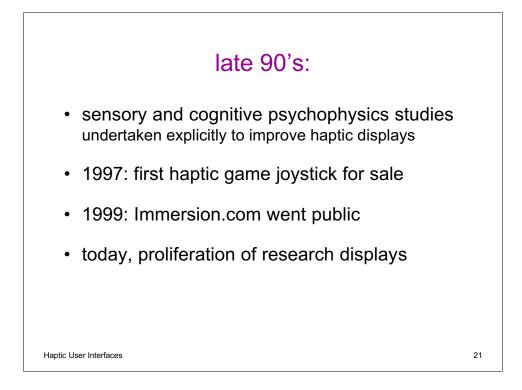


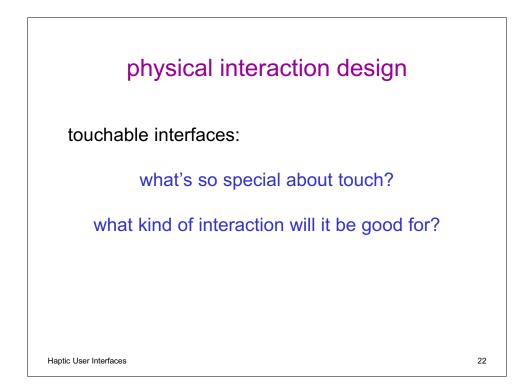




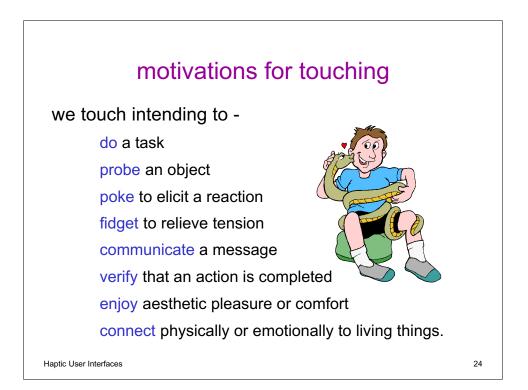


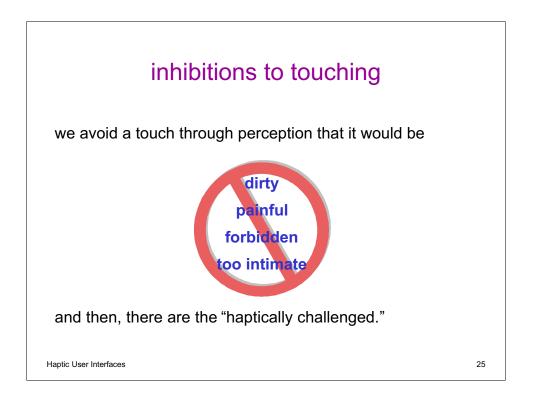




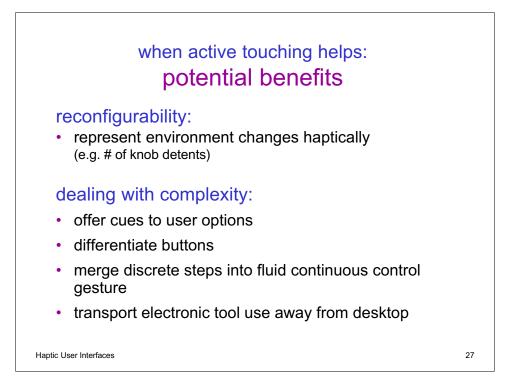


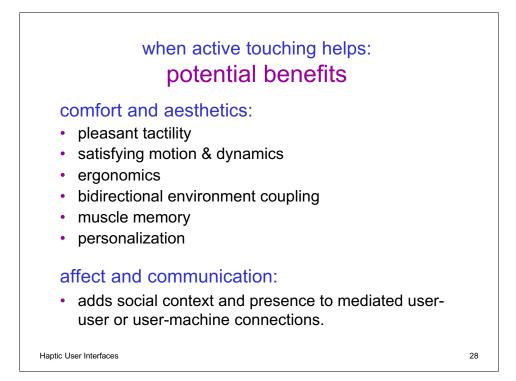


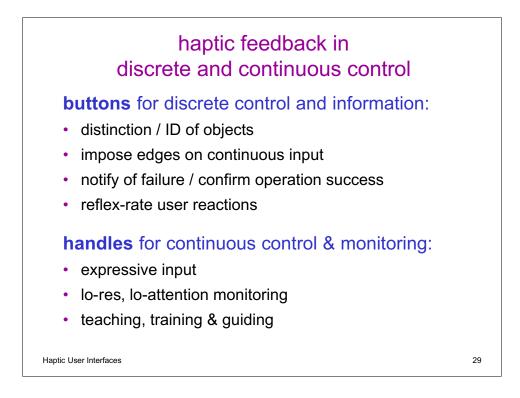


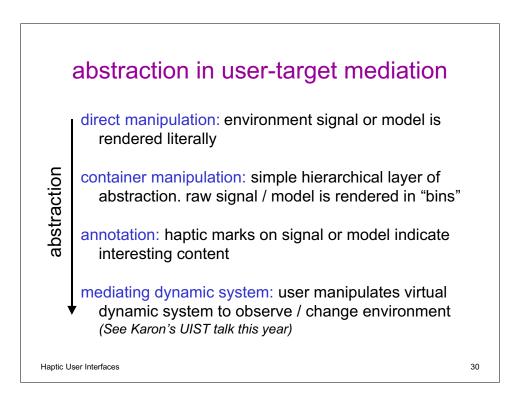


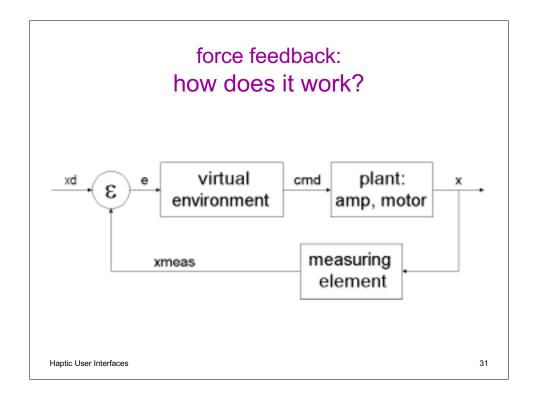


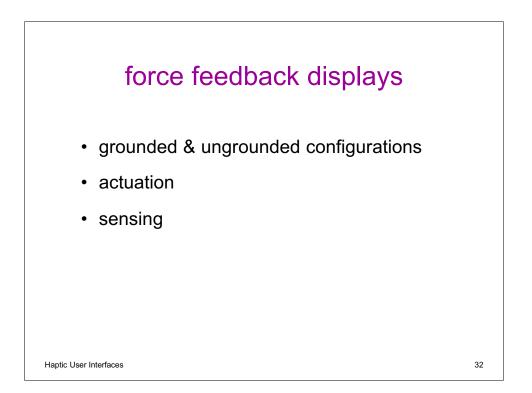


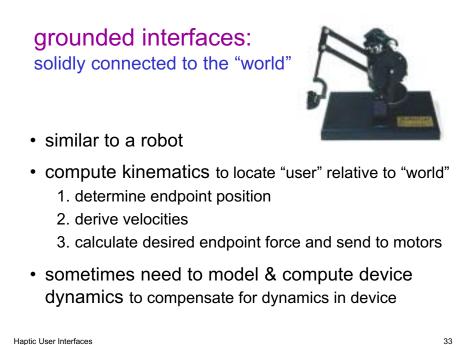




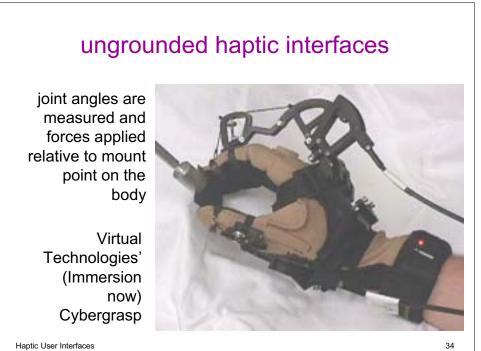


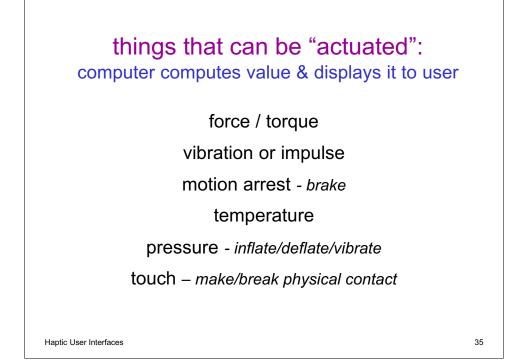


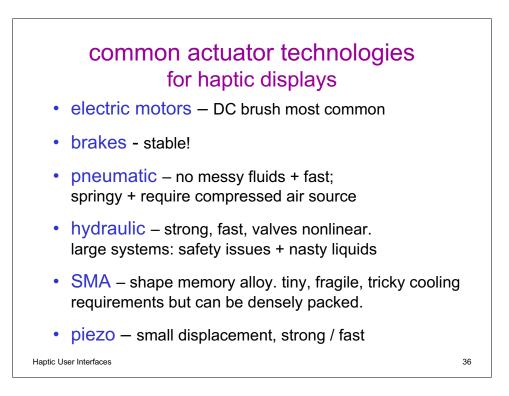


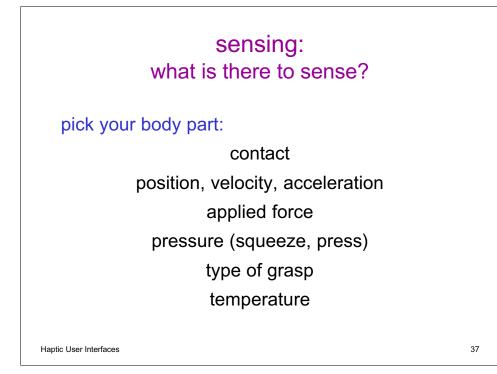


Haptic User Interfaces

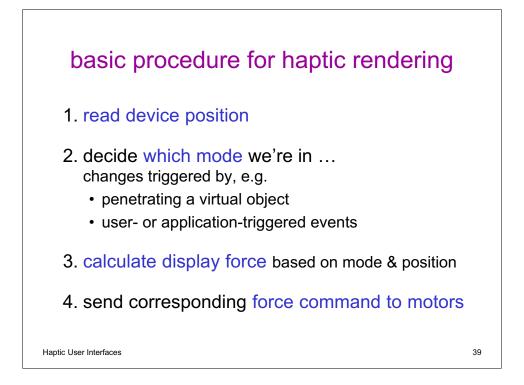


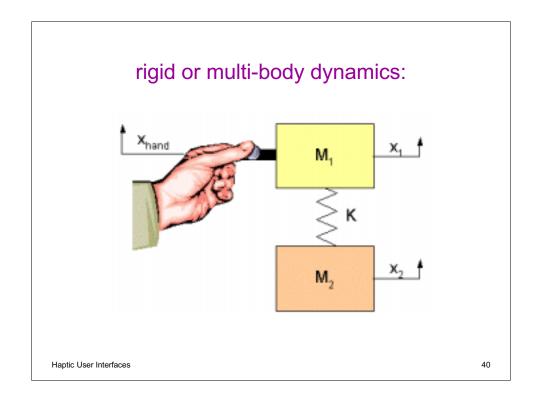


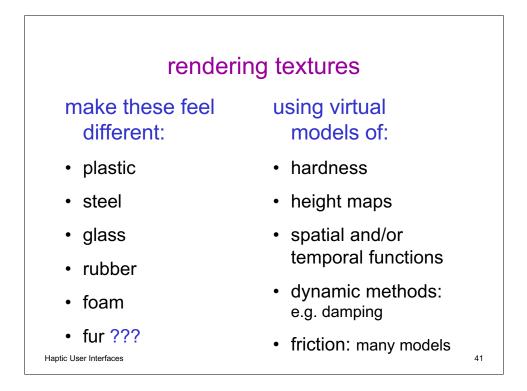


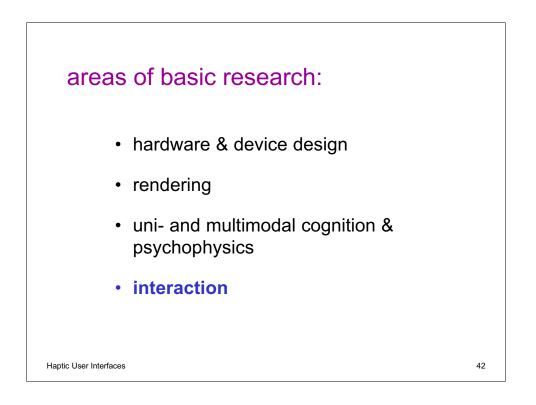


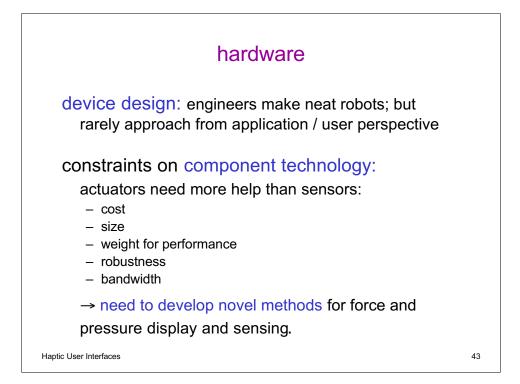


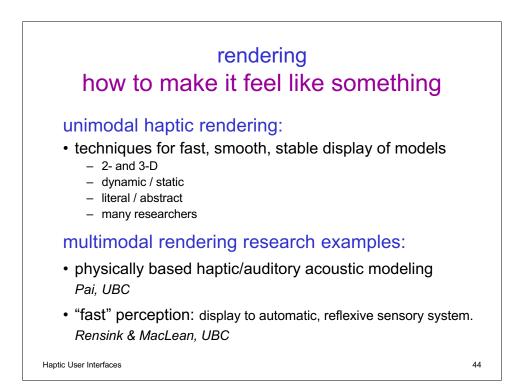


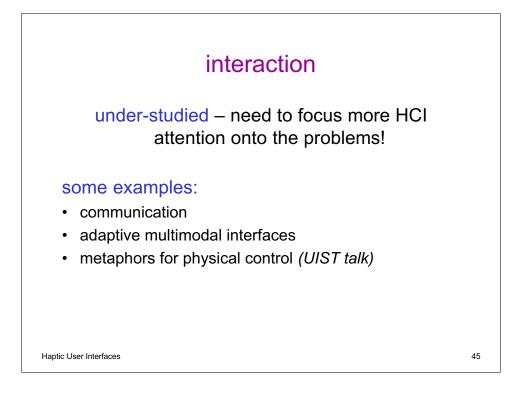


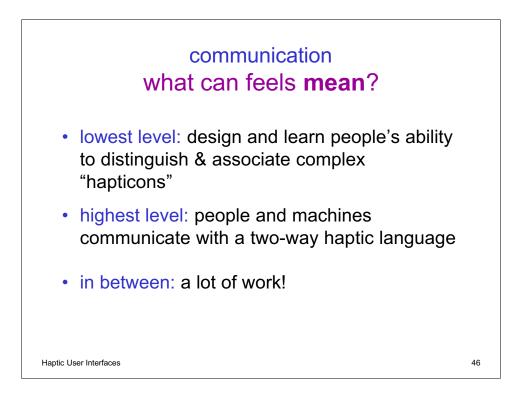


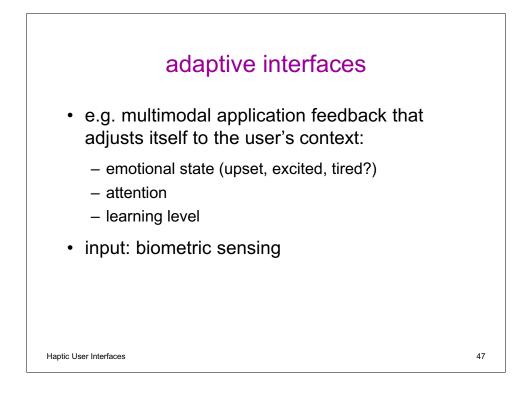


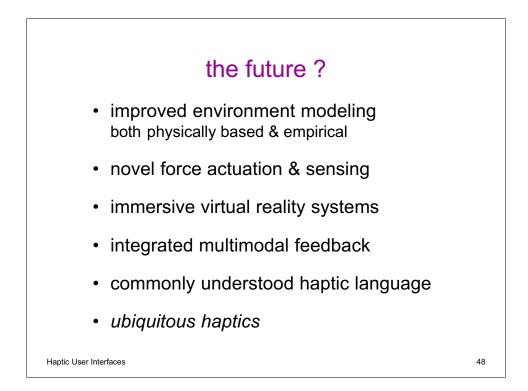


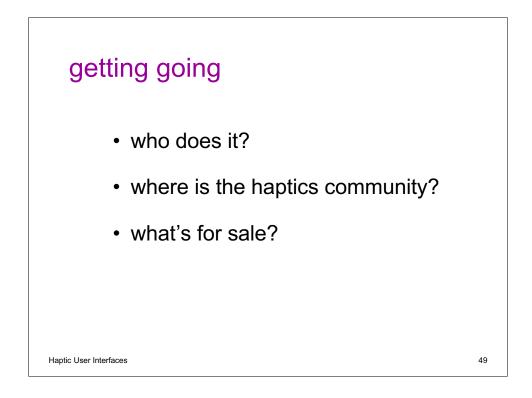












who can do it? haptic feedback design is pretty multidisciplinary:	
application interface design (conceptualizing it)	 application immersion interface creation & integration concept prototyping
human side (perceiving and interpreting it)	 perceptual psychology cognition user experimentation & analysis biomechanics & kinesiology
machine side (making it happen)	 multisensory display design & control realtime software architecture design rendering algorithms physical system modeling



