

### System Control

Often considered glue of 3D UI

Specify the "what"

Commands are issued to

- request system to perform a particular function
- change interaction mode
- change system state



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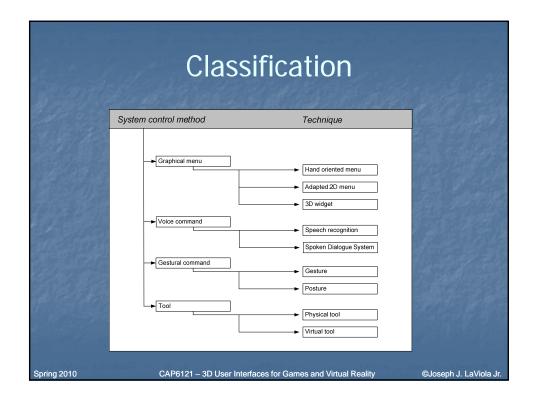
# Human Factors and System Control



- transfer of mechanical energy/information to system
- control-body linkage
  - interaction between control device and human body
- Effectiveness of control-body linkage
  - human experience, training
  - shape and size of control
  - visual representation and labeling
  - methods of selection

Spring 2010

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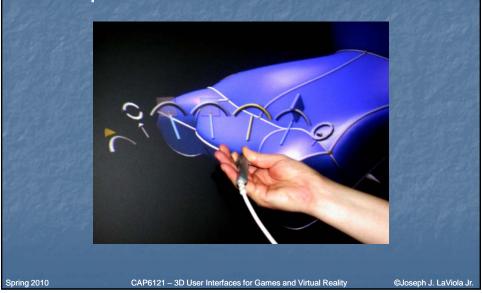
# Graphical Menus – Adapted 2D Menus

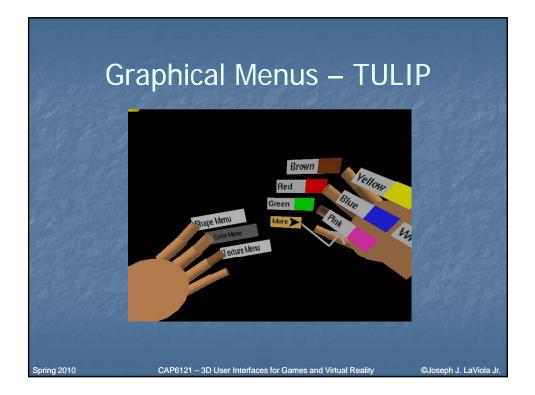
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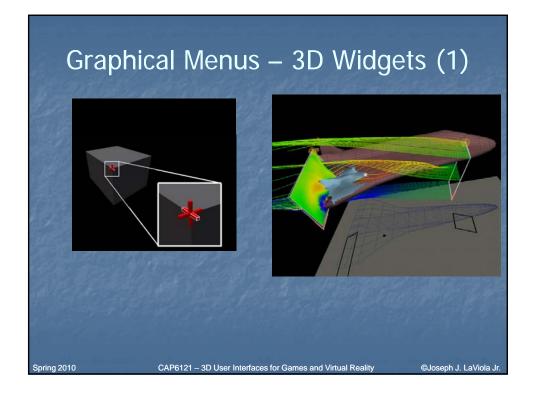
CAP6121 - 3D User Interfaces for Games and Virtual Reality

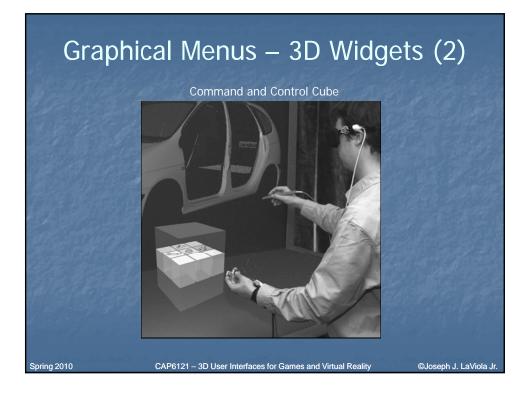
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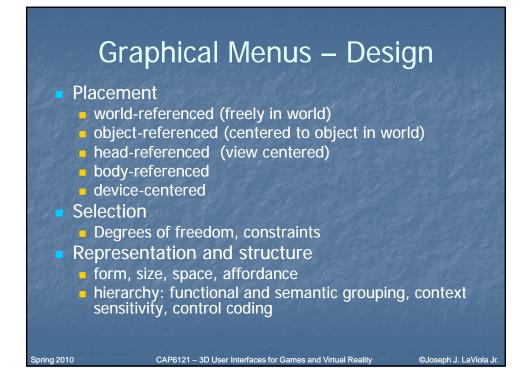
## Graphical Menus – 1-DOF Menus













## **Gestural Commands**

One of the first system control techniques
Posture – static hand configuration
Gesture – dynamic movement





