

# a.k.a. "HEnRE"







Haptic backhoe under construction

### Features

- PHANToM haptic interface
- •PVG32 EH Proportional Valves
- Magnetostrictive position feedback
- Pressure feedback
- Matlab Host/Target control system
- Custom circuitry

Intelligent Machine

Dynamics Laboratory



**Custom power regulator** & signal routing circuts



## *Electric / Hydraulic system*

Email:





website:

Spring 2004

•J.D. Huggins, Research Engineer •Dr. Wayne Book