

## ***The BIG Picture:*** **User Selected Viewing of Sporting Events.**



¥ show me that play from the viewpoint of the goalie

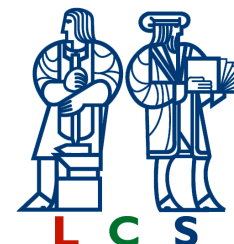
¥ from the viewpoint of the ball

¥ from a viewpoint along the sideline

¥ what offensive plays does Brazil run from this formation

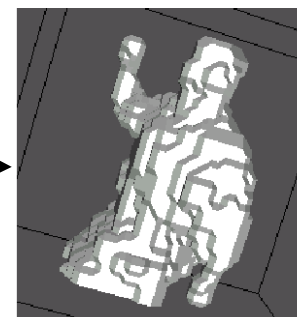
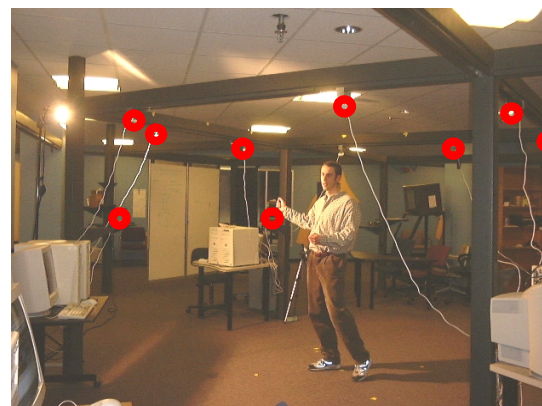
¥ how often has Italy had possession in the offensive zone





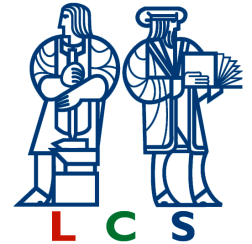
## Progress Through December 1999

- ¥ Real-time VVR system constructed
  - Indoor using 16 Cameras
- ¥ New algorithms for 3D shape recovery
  - Very fast and deals with noise



Project 9807-28: ~~Varia~~ViewpointReality

Paul Viola and Eric Grimson



## Research Plan for the Next Six Months

- ¥ Integration of new algorithms with real-time system
- ¥ Incorporating more cameras in a larger area
- ¥ Improving the analysis of actions
  - Multiple people (e.g. plays)
  - Tracking body parts