Develop robust person tracking system

- Integrate with NTT active-search
- Compare range values to background.
- Range can be insensitive to illumination.

Project Overview

NTT2000-05: A Multi-Cue Vision Person Tracking Module

MIT2000-05: A Multi-Cue Vision Person Tracking Module

Trevor Darrell and Eric Grimson

Progress Through June 2002


Progress Through June 2002

- Active search to recognize faces.
- Tracking to follow multiple people, and NTT activity.
- Integrated research system built using stereo vision.
- Virtual background inference from other range views.
- System brought to NTT by Dr. David Demirdjian in March 2002.
- Real-time version of range background algorithm.

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MIT2000-05: A Multi-Cue Vision Person Tracking Module

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Research Plan for the Next Six Months

- Audiovisual tracking with microphone array
- Face pose and articulated tracking
- Integrated Face and Gait recognition using stereo system
- Audiovisual tracking with microphone array