Robust Navigation by Probabilistic Volumetric Sensing

New Ideas
- Learning by coloring
- Constant-range-step stereo
- Fast precomputed 3D evidence
- Iterative camera calibration
- Volumetric localization, recognition

Impact
- Competent user-installable utility robots for large markets before 2005
- Market-driven acceleration of robotics
- Universal robots anticipated by 2010

Carnegie Mellon University: Hans Moravec