

Perpetual Robotics Advancement in Pursuit of Robotic Intelligence

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ABSTRACT: Robotics is progressing in a variety of ways, and has been for the past several decades. Beyond sufficient maturity of technology for realizing industrial robots, robotics remains a research field with increasing pressure to mature as an established practice. Substantial room for improvement remains before intelligent robotic systems can reach commodity status. Concurrent advancement and practice via fundamental and applied research is the story of its life... As a 30-year participant in the growth of robotics as a researcher-practitioner, this is also a fair description of my career. In this talk, I will discuss aspects of my experience in this perpetual activity covering what I have been working on over the decades, both principally and as a technical leader, with emphasis on main areas of contribution and interest.