For the past thirty years, research in the Computer Vision Lab at UMass has focused on research issues surrounding the construction of integrated vision systems that are capable of functioning flexibly and robustly in complex changing environments. This research has been conducted by means of a series of applications that expose interesting research issues while supporting pursuit of our primary intellectual goals. Relevant aspects of some of this work will be reviewed in the context of modern approaches to vision in an attempt to isolate and direct attention to interesting open research questions. The talk will conclude with an introduction to a new application-oriented project in the lab designed to assist elders to ‘age in place’ using vision and robotic technology. Elder assistance is a morally engaging idea and promises to provide a broad playground for integration of many aspects of computer science.

2:00pm, April 24, 2006
Garden Key 221AB, Student Union
http://www.cs.ucf.edu/~vision

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