Table 4: Industrial HPCC Applications 19 to 22 for Information Access *InfoVision*—Information, Video, Imagery and Simulation on Demand

Item	Application Area	Comments	Problem Structure	Machine & Software
19	**Transaction Processing** • ATM (automatic teller machine)	Database-most transactions short. As add "value" this becomes Information integration	Embarrassingly Parallel	MIMD Database
20	**Collaboration** • Telemedicine • Collaboratory for Research • Education • Business	Research Center or doctor(s)—patient interaction without regard to physical location	Asynchronous	High Speed Network
21	**Text on Demand** • Digital (existing) libraries • ERIC Education database, • United Nations-Worldwide newspapers	Multimedia database (see areas 22, 23) Full text search	Embarrassingly Parallel	MIMD Database
22	**Video on Demand** • Movies, News (CNN Newsource & Newsroom), • Current cable, • United Nations-Policy Support	Multimedia Database Interactive VCR, Video Browsing, Link of video and text database	Embarrassingly Parallel for multiple Users Interesting parallel compression	MIMD Database Video Editing Software SIMD compression