Table 4: Industrial HPCC Applications 19 to 22 for Information Access *InfoVision*—Information, Video, Imagery and Simulation on Demand (Sec. 4.5)

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 Sec. 4.5	**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 Sec. 4.5	**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