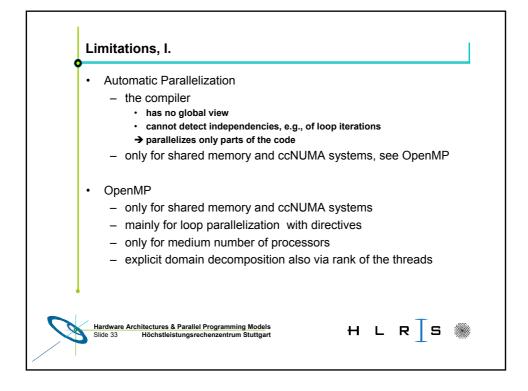
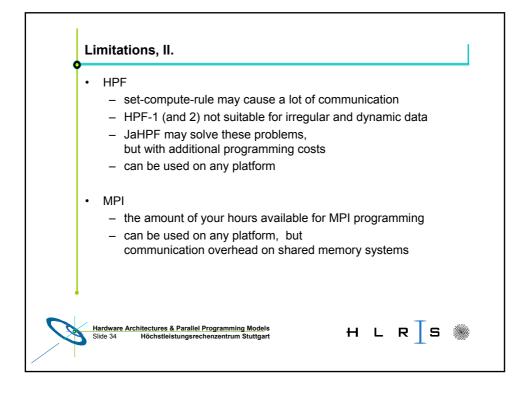
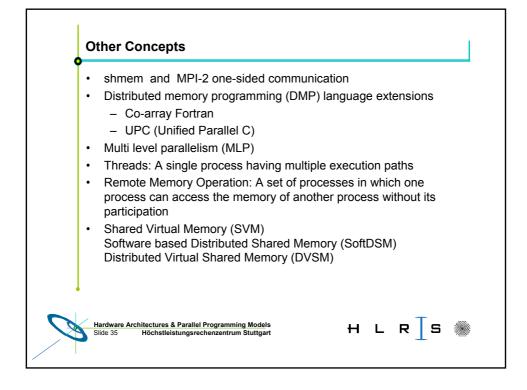
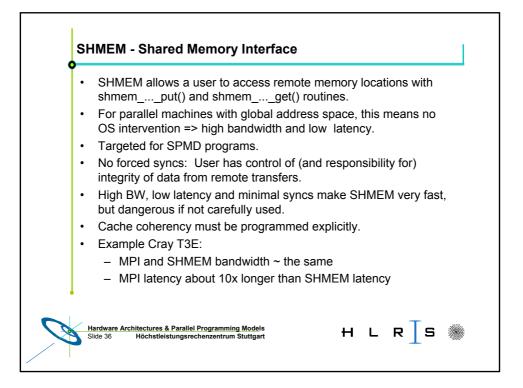


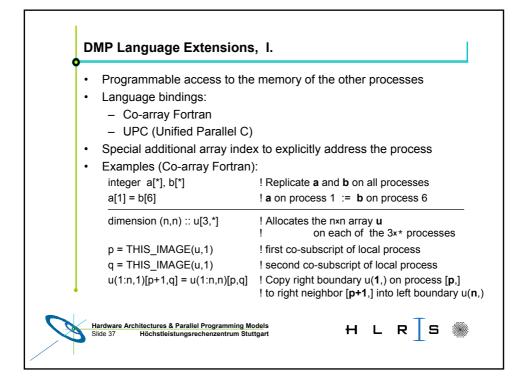
Decom- position	easiest Model	Memory distribution & communication	Work distribution	
• Work	OpenMP	– none –	on	
• Data	HPF	 → explicit by program (with directives) & implicit comm. 		
• Domain	MPI	 → explicit by program (via process' ranks) & explicit communicati (with MPI library rout) 		

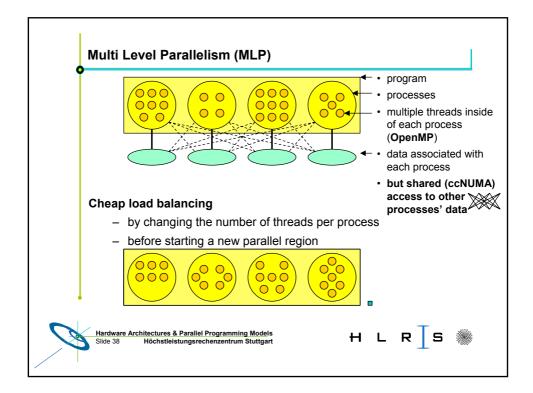


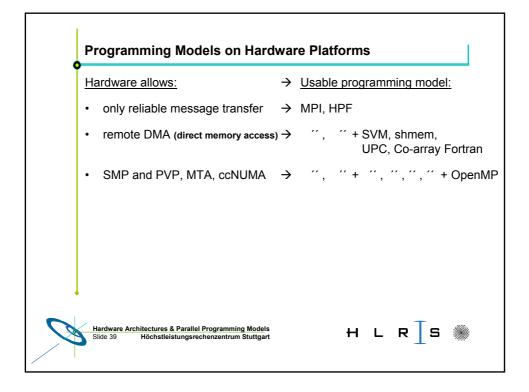


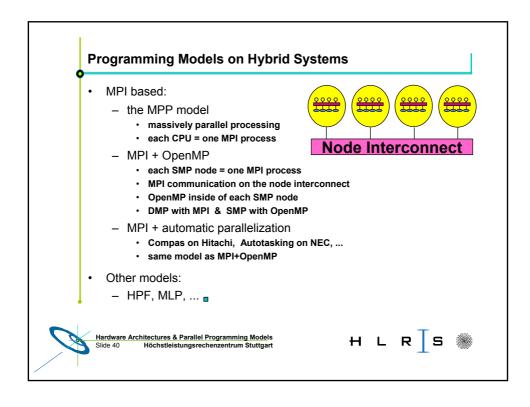


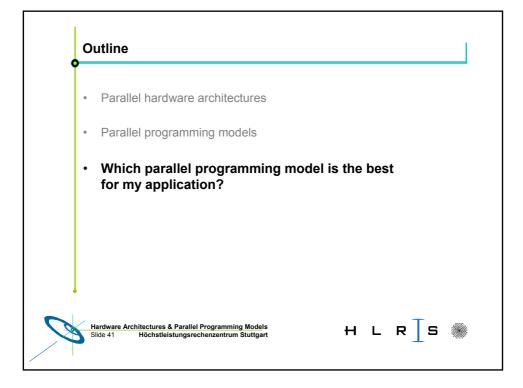


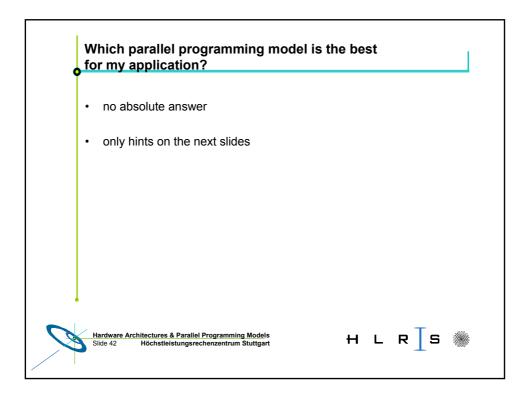


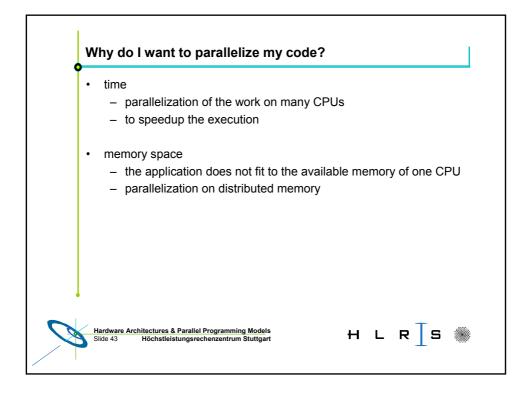


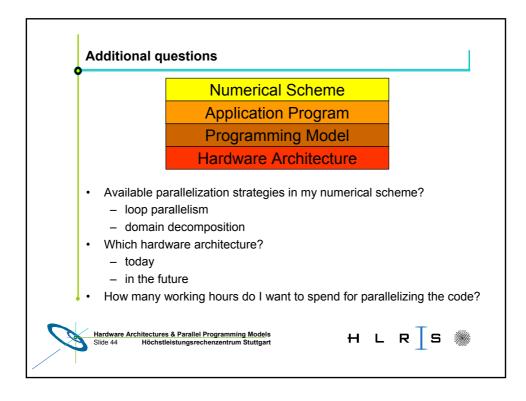


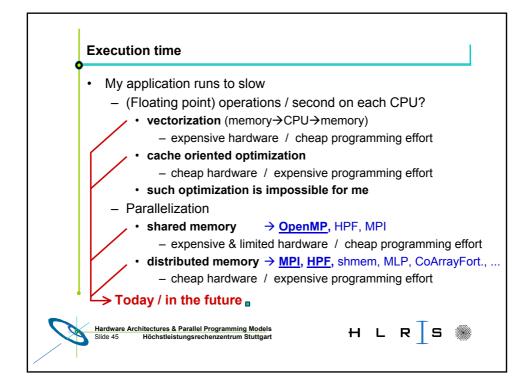


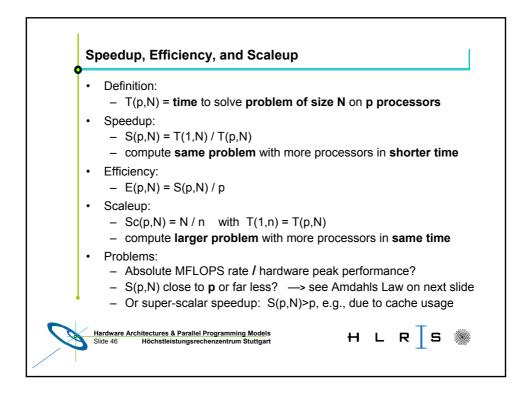


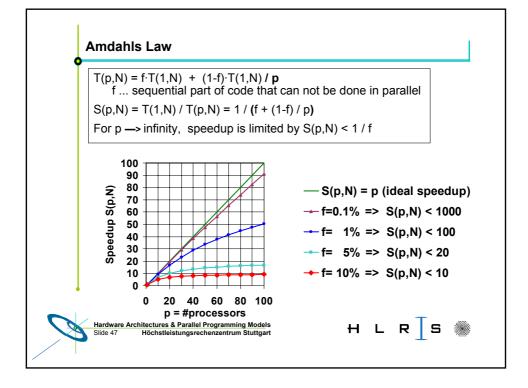


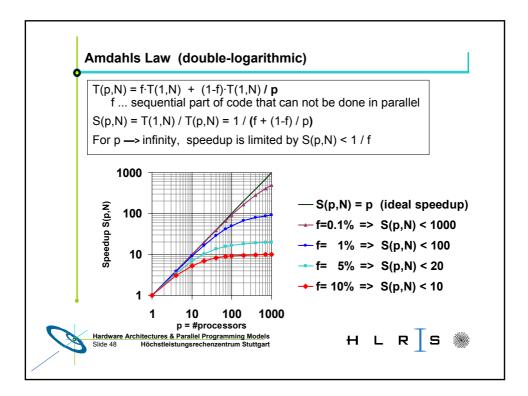


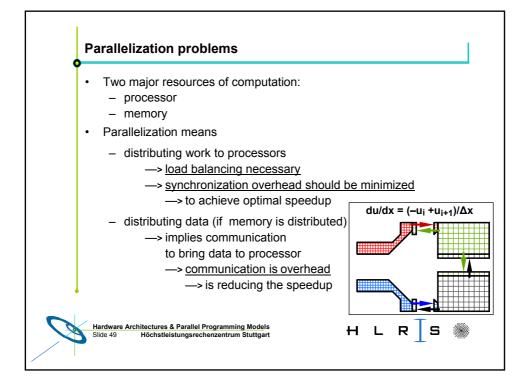


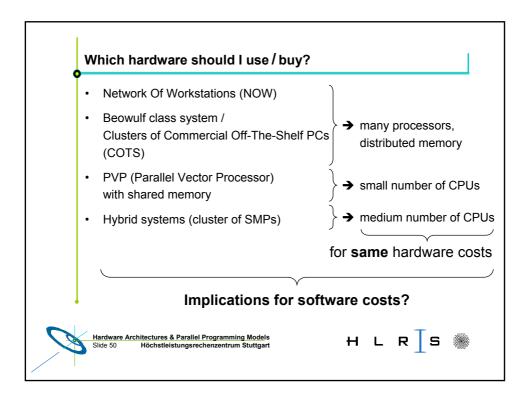


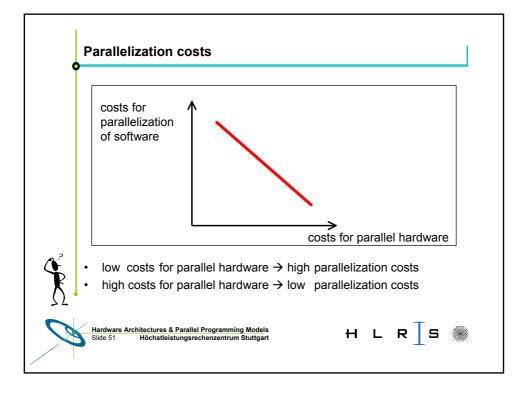












	OpenMP	HPF	Μ
Maturity of programming model	++	+	+
Maturity of standardization	+	+	+-
Migration of serial programs	++	0	
Ease of programming (new progr.)	++	/+	-
Correctness of parallelization	<u> </u>	++	~
Portability to any hardware architecture	-	++	++
Availability of implementations of the stand.	+	+	++
Availability of parallel libraries	0	0	0
Scalability to hundreds/thousands of processors		V	++
Efficiency	_	0	++
Flexibility – dynamic program structures	-	-	+-
 irregular grids, triangles, tetra- hedrons, load balancing, redistribut. 	-	-	+-

