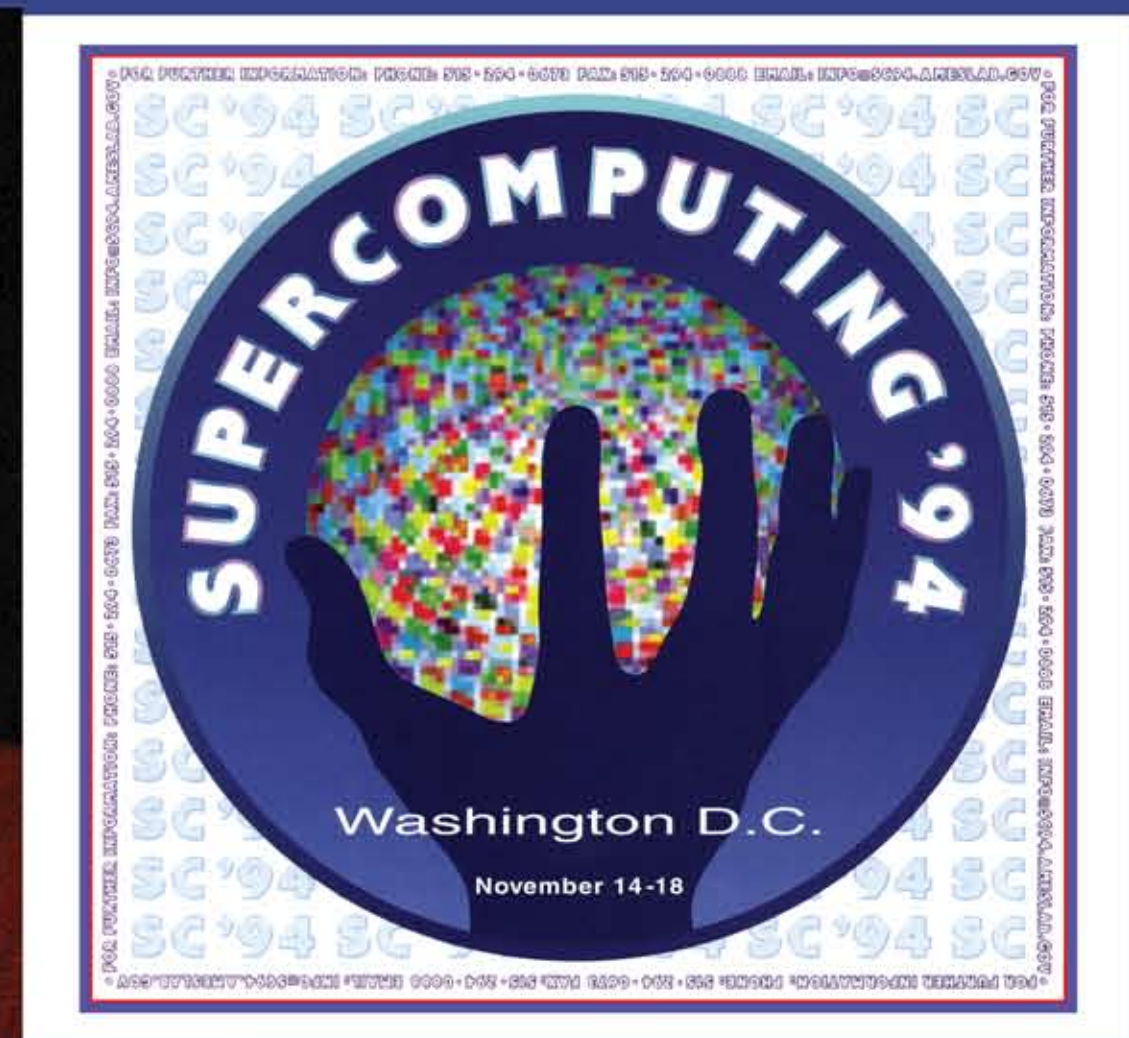
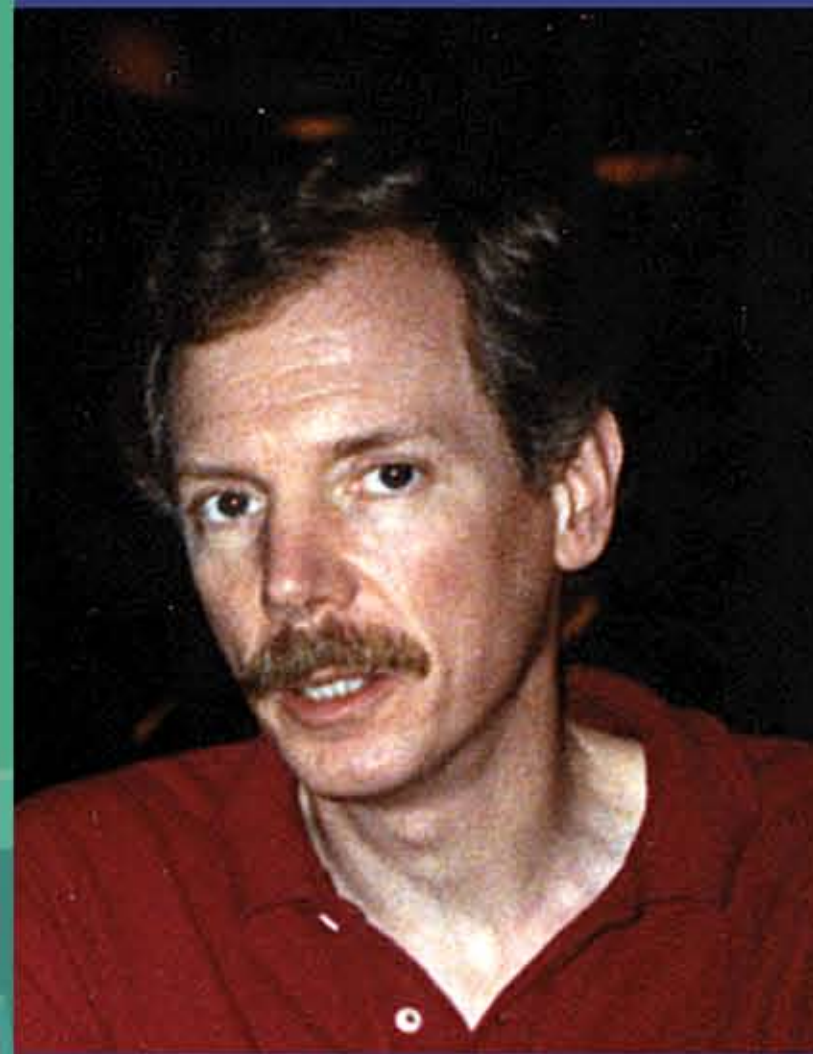


20 Years - Unleashing the Power of HPC

1994

1994 Chair
Gary M. Johnson
 Washington, DC



1994

Notable Systems first mentioned this year in the proceedings:

- Intel Paragon
- IBM SP2
- GRAPE-4
- Kendall Square KSR-2

Notable Processors:

- Sun SPARC 10

Not mentioned in the proceedings after this year:

- IBM 9076

Noteworthy Architecture Topics:

- Distributed parallel computing in workstation clusters and over LANs
- COMA and cc-NUMA
- Caches and cache coherence in vector systems
- NCSA Mosaic and the World Wide Web

Notable Operating Systems:

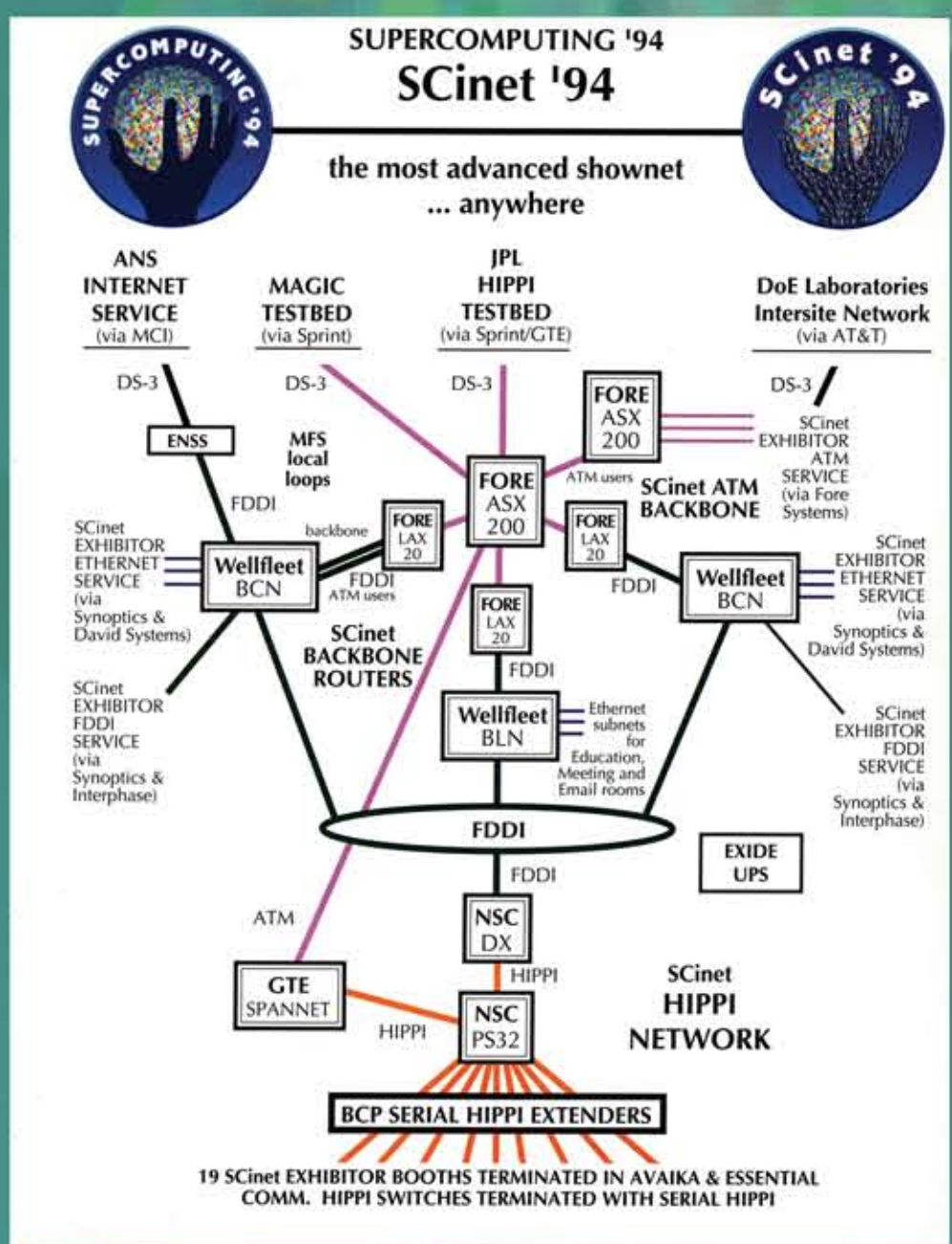
- OSF1

Notable Programming Languages:

- APL
- C*
- MPI

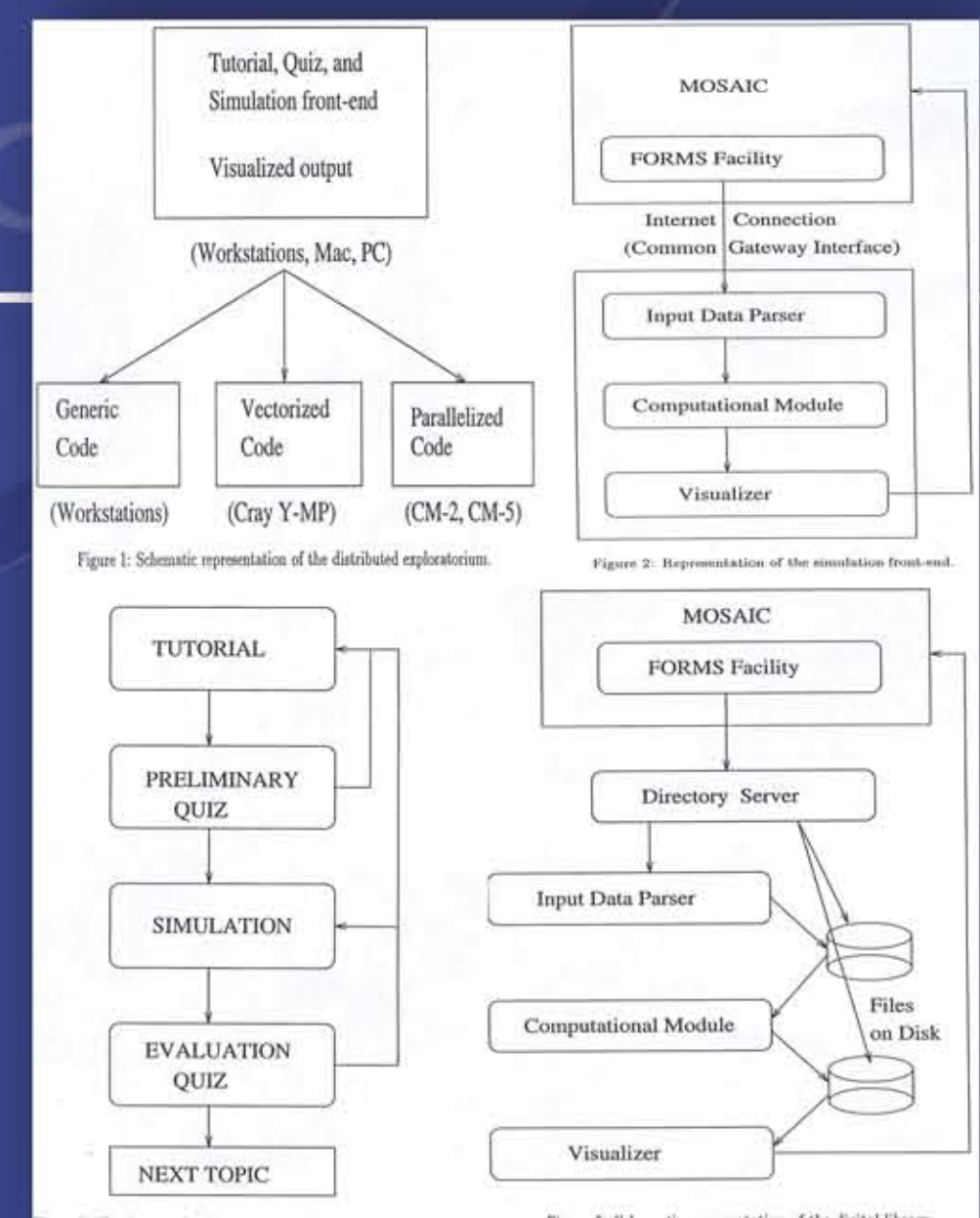
Research Machines:

- Stanford FLASH
- Wisconsin Typhoon



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Scientific Discipline	Total Number of Execs.	Cumulative CPU Time (secs)	% of CPU Time I/O Set & Wld	Cumulative Bytes Transferred (MB)	% of Bytes Transferred I/O Set & Wld	Max. I/O Rate for Discipline (MB/sec)
Atmospheric Sciences	801	1,014,859.53	13.96	19,777,397.53	27.39	49.02
Industrial Partner	1915	837,514.81	13.18	17,490,761.10	24.23	151.53
Materials Science	742	486,117.24	7.65	12,127,171.20	16.80	32.61
Chemistry	1042	741,873.16	11.68	8,528,873.69	11.81	20.94
Block Grant	969	708,564.85	12.41	3,901,494.781.11	6.02	34.11
Chemical Engineering	293	183,918.44	2.90	789,434.62	1.09	11.54
Mechanics	1650	345,474.51	5.44	202,013.47	0.28	9.21
Education	2	9,034.37	0.13	85,171.46	0.11	10.57
Biochemistry	308	408,048.14	1.70	33,624.68	0.05	37.55
Astronomy	64	464,258.44	7.31	8,226.63	0.01	0.01
Physics	1547	145,771.64	2.29	2,471.26	0.00	0.00
Biology	1	94.96	0.00	67.65	0.00	0.00
Electrical Engineering	308	12,301.85	0.19	0.06	0.00	0.00
Oceanography	6	60.08	0.00	5.35	0.00	0.00



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