

■ **Hennessy & Patterson, Rev 2.0**

Microprocessor design demigods David Patterson and John Hennessy, along with their publisher Morgan Kaufmann, have just released *Computer Organization & Design*, Second Edition. With more than 950 pages, this "introduction to the field" is comprehensive in its scope and methodical in its approach. Pipelines, instruction sets, memory hierarchies, and other subjects are all developed here, using the MIPS architecture as a working example.

Copies can be ordered from the publisher (San Francisco) for \$79 by calling 800.745.7273 or visiting [www.mkp.com](http://www.mkp.com).

■ **Supercomputers Heat Up San Jose**

The IEEE/ACM supercomputer fest, SC97, rolls into the San Jose (Calif.) Convention Center November 15–21. The week will be filled with a combination of tutorials, papers, award sessions, and exhibits. Talks will include "High-Performance Data Mining," "Shared Memory Parallel Programming," "A Practical Guide to Java," the compelling "Implementation Methods for Parallel Adaptive Mesh Refinement Solutions of Partial Differential Equations," and the curiously titled, "How to Build a Beowulf: Assembling... a Do-It-Yourself Supercomputer."

Registration fees range from \$100 to \$910, depending on number of days/events attended and IEEE membership status. For more information, see [www.supercomp.org/sc97](http://www.supercomp.org/sc97).

■ **I See, You See, We All See the ICs**

The **Wescon IC Expo** will fill the San Jose (Calif.) and Santa Clara Convention Centers November 4–6, promising three days of "The Largest Technology Event in Silicon Valley." Talks and tutorials will pander to the tastes of engineers, purchasing managers, distributors, manufacturers, and business professionals. And it's free, too. For more information, contact Wescon (Los Angeles) at 800.877.2668 or set your browser to [www.wescon.com](http://www.wescon.com).

■ **Digital Camera Sales to Zoom**

So say Future Image and IDC, joint authors and publishers of *Digital Camera Market Forecast and Analysis, 1996–2001*. The report estimates overall sales of digital cameras will exceed \$4 billion by 2001. Digital cameras priced from \$99 to \$45,000 are considered in the unit and revenue forecasts, as are all the current and expected market players. Copies of the report cost \$5,000. For more information, call Future Image (Burlingame, Calif.) at 650.579.0566 or check out [www.futureimage.com](http://www.futureimage.com).

■ **Sparse Matrix Kernels for Shared Memory**

Carnegie Mellon scientist David O'Hallaron's "kernels for core sparse matrix-vector product operation from finite element simulations" are at [www.cs.cmu.edu/~quake/spark98.html](http://www.cs.cmu.edu/~quake/spark98.html). These portable kernels are ideal for testing or benchmarking systems for large-data-set applications.

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*Microprocessor Report* (ISSN 0899-9341) is published every three weeks, 17 issues per year. Back issues are available on paper and CD-ROM. Volume reprints of individual articles are also available.

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