

## Resources

### Selected DECWRL Papers

As noted in the article on page 14, DEC's Western Research Laboratory has published a variety of technical papers during its 10-year history. The table shows a few of the processor-related papers:

To order, request an order form from Technical Report Distribution, DEC Western Research Laboratory, WRL-1, 250 University Avenue, Palo Alto, CA 94301, or send e-mail to: WRL-Techreports@decwrl.dec.com.

| Report Number | Title   | Authors  |
|---------------|---|--|
| 86/1          | Titan System Manual   | Michael J. K. Nielsen  |
| 87/1          | The Mahler Experience: Using an Intermediate Language as the Machine Description            | David W. Wall and Michael L. Powell                                  |
| 87/4          | Cache Coherence in Distributed Systems  | Christopher A. Kent  |
| 87/8          | MultiTitan: Four Architecture Papers  | Norman P. Jouppi, Jeremy Dion, David Boggs, Michael J. K. Nielsen    |
| 89/7          | Available Instruction-Level Parallelism for Superscalar and Superpipelined Machines         | Norman P. Jouppi and David W. Wall                                   |
| 89/9          | Architectural and Organizational Tradeoffs in the Design of the MultiTitan CPU              | Norman P. Jouppi   |
| 89/10         | Integration and Packaging Plateaus of Processor Performance                                 | Norman P. Jouppi   |
| 89/13         | The Distribution of Instruction-Level and Machine Parallelism and Its Effect on Performance | Norman P. Jouppi   |
| 89/14         | Long Address Traces from RISC Machines: Generation and Analysis                             | Anita Borg, R.E. Kessler, Georgia Lazana, and David W. Wall          |
| 91/7          | Pool Boiling on Small Heat Dissipating Elements in Water at Subatmospheric Pressure         | Wade R. McGillis, John S. Fitch, William R. Hamburgren, Van P. Carey |
| 91/10         | Experience with a Software-Defined Machine Architecture                                     | David W. Wall  |

### Fourth Annual Hot Chips Conference

The IEEE-Sponsored Hot Chips conference will be held August 10 and 11 at Stanford University. The highlight of the program is a preview of Intel's P5. The program includes presentations on many of this year's high-performance microprocessors, including the 21064 Alpha chip, PA-RISC 7100, LSI's 33020 X terminal controller, hyperSPARC, and the ARM600. Also included are sessions on low-power systems, multiprocessor interface issues, interface and interrupt chips, vector processors, and an evening panel session on new DRAM alternatives. In addition to the main conference program, Prof. Mark Hill from the University of Wisconsin, Madison will present a half-day tutorial on August 9, titled *A Quantitative Approach to Microprocessor Architecture*.

Registration for IEEE members is \$170 if postmarked by July 15, or \$240 thereafter; non-member prices are \$240 and \$290. Registration for the Sunday tutorial is an additional \$10. VISA and MasterCard are accepted. To register or request a program brochure, write to Hot Chips, c/o Dr. Robert G. Stewart, Stewart Research Enterprises, 1658 Belvoir Dr., Los Altos, CA 94024; fax 415/941-5048; email r.stewart@compmail.com. ♦

## SUBSCRIPTION ORDER FORM

**Please start my subscription to *Microprocessor Report*.** I may cancel at any time and receive a prompt refund on all unmailed issues. A one-year subscription includes 17 issues (one every three weeks) and costs \$445 (two years \$795) in the U.S. and Canada. Add sales tax in California.

**European Subscriptions:** £345 per year, two years £595. **Elsewhere:** Airmail subscriptions \$575 per year, two years \$995; include credit card information or payment in U.S. funds on U.S. bank (purchase orders accepted from U.S. companies only).

My check is enclosed.

Bill my company: P.O. No. \_\_\_\_\_

Charge my:  Visa  MasterCard  AmEx

Card # \_\_\_\_\_ Exp \_\_\_\_\_

Signature \_\_\_\_\_

Name \_\_\_\_\_ Title \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

Mail Stop \_\_\_\_\_ City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_

Phone (\_\_\_\_) \_\_\_\_\_

**Send To:** Microprocessor Report, 874 Gravenstein Hwy. So., Suite 14, Sebastopol, CA 95472, fax to 707/823-0504, or call 707/823-4004

**European Orders:** Phil Sutcliffe, Parkway Gordon, Prospects House, 2 Queen Street, Henley on Thames, Oxon RG9 1AP, United Kingdom  
Phone (0491) 578188; Fax (0491) 875524

6.9