

## SELECTED RECENT PUBLICATIONS

- *High-dimensional data acquisition, computing, and visualization*, A. Nakano and J.X. Chen, IEEE Comput. Sci. Eng. **5**(5), 14 (2003).
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- *Collaborative simulation Grid: multiscale quantum-mechanical/classical atomistic simulations on distributed PC clusters in the US and Japan*, H. Kikuchi, R.K. Kalia, A. Nakano, P. Vashishta, H. Iyetomi, S. Ogata, T. Kouno, F. Shimojo, K. Tsuruta, and S. Saini, in Proc. Supercomputing 2002 (IEEE Computer Society).
- *Scalable atomistic simulation algorithms for materials research*, A. Nakano, R.K. Kalia, P. Vashishta, T.J. Campbell, S. Ogata, F. Shimojo, and S. Saini, Scientific Programming **10**, 263 (2002); the **Best Paper** in Proc. Supercomputing 2001 (ACM).
- *Multiscale simulation of nanosystems*, A. Nakano, M.E. Bachlechner, R.K. Kalia, E. Lidorikis, P. Vashishta, G.Z. Voyiadjis, T.J. Campbell, S. Ogata, and F. Shimojo, IEEE Comput. Sci. Eng. **3**(4), 56 (2001).
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- *Multiresolution load balancing in curved space: the wavelet representation*, A. Nakano, Concurrency: Practice and Experience **11**, 343 (1999).
- *A rigid-body based multiple time-scale molecular dynamics simulation of nanophase materials*, A. Nakano, Int'l J. High Performance Comput. Appl. **13**, 154 (1999).