

Dr. Steve Plimpton, Staff Member Sandia National Laboratories



Bio: **Steve Plimpton** is a staff member at Sandia National Laboratories, in the Multiscale Science Dept. of the Center for Computing Research. He received his Ph.D. from Cornell University in 1989 in Applied & Engineering Physics and has been at Sandia ever since. His work involves developing and using scientific simulations designed for large parallel machines, with an emphasis on creating efficient parallel algorithms. He is the lead developer of LAMMPS, and also a co-author of several other open-source software packages: SPPARKS (kinetic Monte Carlo), SPARTA (Direct Simulation Monte Carlo), ChemCell (stochastic particle modeling of biological cells), and MR-MPI (MapReduce on top of MPI); see www.sandia.gov/~sjplimp for details.