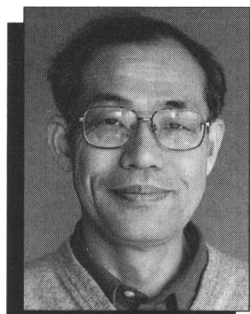


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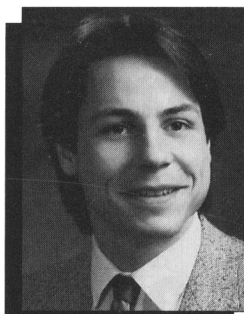
**R.D. Twesten** is a postdoctoral research associate at Sandia National Laboratories where he uses transmission electron microscopy to investigate the properties of semiconducting materials. He received his BS degree in physics from Wayne State University, and his MS and PhD degrees in physics from the University of Illinois where he used *in situ* electron microscopy to study formation of interfaces and dynamic processes on ultrahigh-vacuum surfaces. Twesten was a Materials Research Society Graduate Student Award recipient for his study of phase transitions on silicon surfaces.

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R.D. Twesten

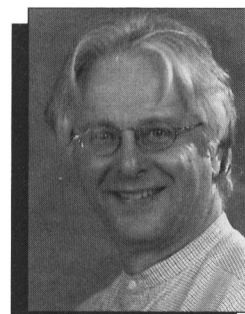
and dots; and the effects of strain, pressure, and magnetic field. His current research focuses on the studies of spontaneous ordering and composition modulation in III-V alloys. He can be reached at NREL, 1617 Cole Blvd., Golden, CO 80401, USA; phone 303-384-6617; fax 303-384-6655; e-mail yzhang@nrel.nrel.gov.

**Alex Zunger** is an Institute Research Fellow at the Department of Energy's National Renewable Energy Laboratory (NREL) where he also heads the Solid



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State Theory group. After receiving his PhD degree from Tel-Aviv University in Israel, he held postdoctoral positions at Northwestern University and at the University of California—Berkeley (IBM Fellow). His research focused on the early development of modern, "first-principles" electronic-structure theory of solids, including the nonlocal LDA pseudopotentials, pseudopotential total energy and force method, accurate exchange and correlation functional, the approach of simulta-



Alex Zunger

neous variation of atomic positions and electronic charge-densities, and iterative matrix diagonalization methods. More recently he applied these methods to the electronic-structure theory of deep impurities, surfaces and interfaces, first-principles statistical mechanics of transition-metal alloys, and semiconductor nanostructures. For more details, see NREL's Solid State Theory website at <http://www.SST.nrel.gov/>. Zunger's e-mail address is alex\_zunger@nrel.gov. □

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