PAPERS
11 The Future of Integrated Circuits: A Survey of Nanoelectronics
By M. Haselman and S. Hauck
[CONTRIBUTED PAPER] Nano-devices, such as molecules that function as computer switches as well as silicon wires and carbon tube interconnections, have been fabricated and demonstrated, and further research is underway.

Prolog, J. Esch

42 Keeping the Energy Debate Clean: How Do We Supply the World's Energy Needs?
By D. Abbott
[CONTRIBUTED PAPER] Proposed solutions include: Sensible energy conservation; Solar thermal collection using parabolic reflectors; Hydrogen used as an energy carrier in combustion engines and for energy storage and transportation.

Prolog, J. Esch

69 Single Carrier Modulation With Nonlinear Frequency Domain Equalization: An Idea Whose Time Has Come—Again
By N. Benvenuto, R. Dinis, D. Falconer, and S. Tomasin
[CONTRIBUTED PAPER] In high-speed single-carrier digital communication systems, processing blocks of signals using Fast Fourier Transforms is an efficient way to equalize (compensate) for interference between transmitted symbols.

Prolog, R. O'Donnell

100 A Survey of BGP Security Issues and Solutions
By K. Butler, T. R. Farley, P. McDaniel, and J. Rexford
[CONTRIBUTED PAPER] The Border Gateway Protocol (BGP) controls much of Internet traffic, but is vulnerable to communications interruptions and failures; finding suitable improved security measures with acceptable costs is difficult.

Prolog, R. O'Donnell