



The Cover

TOSHIBA REVIEW 1999 VOL.54 NO.2

Special Issues:

Advanced Research into Nanometer-Scale Devices

Special Reports

Advanced Research into Nanometer-Scale Devices

- New Horizons Emerging from Nanometer-Scale Phenomena
- **TREN** Exploring Novel Operation Principles Realized in Nanometer-Scale Devices
- Tunnel Magnetoresistance in Double-Barrier Junction through Layered Ferromagnetic Nanoparticles
- Spin-Valve Transistor
- Fabrication Technology for Silicon Nanocrystals
- Visible-Light-Emitting Devices Using Silicon Nanocrystals
- Ultrathin SOI MOSFETs Utilizing Subband Structure Modulation
- Optical Properties of Quantum Dots and Their Application to High-Density Memory
- Ultrahigh-Density Memory Using Organic Dot Structures

Feature Articles

- 100KHz Thermosonic Wire Bonding Technology
- MobileMotion_{TM} MPEG4 Video Streaming System
- BUILDAC_{TM}-GT Building Control System with Thermal Demand Prediction
- Development of Digital Terrestrial Broadcasting System for Japan
- Super-Flat Color Picture Tube
- Aquilion_{TM} Whole-Body Helical CT Scanner
- Low-Temperature Polycrystalline Silicon TFT-LCD Module
- "MIHARIBANKO" Model GR-470K Twin-Cooling Type Refrigerator

Techno Notes

- Digital Broadcasting
-