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Autore	Edwards John
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2.13.1 Low-Loss, Wide-Bandwidth MEMS; 2.13.2 Stressed Metal MEMS; 2.13.3 The Nanoguitar; 2.14 Storage; 2.14.1 Tiny Hard Drive; 2.14.2 Optical Storage; 2.14.3 Nanoring Memory; 2.15 More Efficient Base Stations; 2.15.1 Boosting Mobile Phone Range; 3. Connections in the Air-Wireless Technologies; 3.1 Wireless LAN "Hotspots"; 3.2 WLANs to Come; 3.3 WLAN for Emergency Communications; 3.4 Smart Brick; 3.5 Wireless Smart Stuff; 3.6 Wireless on Wheels; 3.7 Mesh Networks; 3.7.1 Emergency Mesh; 3.8 Wireless Sensor is a "Spec"
3.9 Collaborative Sensing 3.10 Optical Sensors; 3.11 Navigating the Real World; 3.12 Wireless Underwear; 4. The Future is Fiber-Optical Technologies; 4.1 Faster Networks; 4.1.1 Faster Fiber; 4.1.2 Next-Generation Telecom Network; 4.2 New Optical Materials; 4.2.1 New Glasses; 4.2.2 Optical Fibers in Sponges; 4.2.3 Mineral Wire; 4.2.4 Hybrid Pastic; 4.2.5 Buckyballs; 4.2.6 Old Glass/New Promise; 4.3 Nanophotonics; 4.4 Wave Polarization; 4.5 Optical Communications via CDMA; 4.6 Light Emitters; 4.6.1 Smallest Light Emitter; 4.6.2 Light-Emitting Transistor; 4.6.3 VCSEL; 4.6.4 Improved VCSEL
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6.2 Software-Defined Radio

Sommario/riassunto

Although telecom companies are battling for survival, technology is moving forward. In research laboratories around the world, powerful new technologies are being developed that will shape tomorrow's communications world. Telecosmos will look at the many different telecom concepts that will be adopted by both consumers and businesses in the years ahead.
