List of Chapters:

**Introduction of new technologies**
- Style and Design of New Accord for U.S. Market
- Style and Design of FREED
- Development of CVT for 2008 Model Year FIT
- New Analysis Technology for Automotive Chassis Sensitivity of Steering Wheel Vibrations Induced by Tire-Wheel Imbalance or Brake Torque Fluctuation
- In-vehicle Super-directive Microphone System for Speech Recognition Using Nonlinear Signal Processing with Two Microphones
- Development of Laminated Windshield Glass Antenna for Digital Terrestrial TV
- Introduction of Honda Driving Support System – Field Operation Test for Highway Infrastructure System (Smartway)
- Development of Chlorine-free Waterborne Primer for Bumper
- Honda Grid System for Large-scale Heterogeneous PC-cluster Group
- Development of Design for Realization of New Value Motorcycle “DN-01”
- Development of 5-speed Dual-clutch Transmission System for All-Terrain Vehicle
- Construction of Support System for Suspension and Steering Layout of ATV
- Motorcycle Riding Simulator Enabling Experience of Honda’s Advanced Brake Systems
- Diagnostic System for Power Products Using Automatic Recognition Technology for Multi-protocols
- Running Gait Generation for Biped Robot

**Technical papers**
- Mechanism of Occurrence of Ghost Noise in Helical Gears Resulting from Thread-type Tool Machining
- Development of Front Pillar for Visibility Enhancement
- Development of Magnetic Stiffener
- Development of Lightweight Forged Piston Material by Controlling Needle-type Intermetallic Compound Size Using Carbon Mold Continuous Casting Method
- Time-sharing PWM Control for Multi-motor Drive