



The Cover

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Special Issues:

Advancing Technologies in the Elevator and Escalator Field / Tribology in Mechanical Systems

Special Reports

I. Advancing Technologies in the Elevator and Escalator Field

- Elevator and Escalator Systems in the Era of Building Standards Deregulation
- **TRENDO** Elevator and Escalator Systems toward the 21st Century
- Machine-Roomless Elevator for Innovative Low- and Middle-Rise Building Design
- Advanced Elevator Technologies Supporting High-Rise and Large-Scale Buildings
- Double-Deck Elevators Saving Space and Increasing Handling Capacity
- Latest Elevator Design and Design Presentation Tools
- Escalator Technologies Aiming at Harmony and Friendship with People and the
- Method of Elevator Modernization Considering Users' Lifestyles
- Remote Maintenance System to Minimize Elevator Maintenance Downtime

II. Tribology in Mechanical Systems

- Toward the Control and Utilization of Friction and Wear
- **TRENDO** Mechanical Systems and Tribology
- Head-Disk Interface Technologies for Hard Disk Drives
- Chemical Mechanical Polishing in ULSI Manufacturing Processes
- Development and Practical Application of New Bearing Material for Hydroelectric Generators
- Journal Bearing Design for Rotary Compressors Using Alternative Refrigerant
- Media Handling Technology for Social Automated Equipment
- Solid Lubrication Technology in JEMRMS
- Reduction of Wear by Magnetic Field and Application to Elevator Driving System

Feature Articles

- Development of Large-Scale Preventive Maintenance Techniques for Nuclear Power Plants-Core Shroud Replacement Techniques
- User Interface of New FACE_{TM} TV, Designed for Operation by Average User
- Packaging Technologies for Slim and Light Notebook PCs

Techno Notes

- Environmental Technologies for a Resource-Circulating Society
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