

Special Session Proposal:

“Motion Control and Related Technologies”

Organized by:

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Motion control is a control technology for robots, mechatronics equipment, industrial machinery. It also covers a wide range of control technology, from basic motor control to ultra-precision positioning control of industrial equipment, haptics that is expected to be effective in mobile medical and welfare applications, attitude control of intelligent mobile robots, obstacle avoidance control, control of flying objects such as drones, and motion and skill control of humanoid robots.

The session also welcomes research reports on the hard disk drive benchmark problem.

Please refer details at http://www2.iee.or.jp/~dmec/committee/DMEC1005/dsa_HDD_bench_e.html .

Topics of the Session:

- Advanced Motion Control in Mechatronics
- Haptics and Robotics in Medicine
- Micro/Nano Motion Control Systems
- HDD Benchmark problem
- Intelligent Motion Control Systems
- Actuators and Sensors in Motion System
- Control of Biped Walking Robots and Mobile Robots
- Advanced Traction Control Systems
- Visual Servo Systems and Image Processing in Motion Control
- Network and Communication Technologies in Motion Control
- Other Related Topics