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Collana	Lecture Notes in Mechanical Engineering, , 2195-4356
Disciplina	629.46
Soggetti	Aerospace engineering Astronautics Control engineering Robotics Mechatronics Artificial intelligence Space sciences Aerospace Technology and Astronautics Control, Robotics, Mechatronics Multiagent Systems Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics)
Lingua di pubblicazione	Inglese
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Nota di contenuto	Channels Multi-Sensors Interface CMOS IC for Telemetry Application -- Study of concurrent piezo actuation and sensing on drift stability of CVGs -- A quantitative comparator of heuristic methods for optimal route in hilly terrain -- Simulation of the Dynamics and Control of Tethered Small Satellite Deployment -- Design and development of mass optimised Isolation Latch Valve for Chandrayaan 2 Lander Propulsion -- De-Tumbling Controller of NIUSAT -- The Configurable Attitude Control System(ACS) Test System Design for RSAT Test System -- Optimal Nonlinear Dynamic Inversion Based Flight Control System Design for an Aerospace Vehicle -- Closed Loop Simulation for Attitude

Control of Nano-satellite -- Real-Time Autonomous Navigation Scheme for Pointing -- Mission and control configuration for spin to 3-axis stabilization for small satellite.

Sommario/riassunto

This volume contains select papers presented during the 1st International Conference on Small Satellites, discussing the latest research and developments relating to small satellite technology. The papers cover various issues relating to design and engineering, ranging from the control, mechanical and thermal systems to the sensors, antennas and RF systems used. The volume will be of interest to scientists and engineers working on or utilizing satellite and space technologies. .
