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Altri autori (Persone)	GrundelDon MurpheyRobert PardalosP. M <1954-> (Panos M.)
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Nota di contenuto	Contents ; Preface ; 1 Mesh Stability in Formation of Distributed Systems ; 1 Introduction ; 2 String Stability of an Interconnection ; 3 Decomposition Technique ; 4 Spatial and Temporal Coordinations ; 5 System of Lyapunov Systems ; 6 Illustration ; 7 Conclusions and Future Work References 2 Designing the Control of a UAV Fleet with Model Checking ; 1 Introduction ; 2 Modeling the Game ; 3 Generating Search Strategies ; 4 Performance ; 5 Conclusions and Future Work ; References ; 3 Applying Simulated Annealing to the Multidimensional Assignment Problem 1 Introduction 2 The Algorithm ; 3 Design of

Experiments ; 4 Results ; 5 Conclusions
; 6 Future Work ; References ; 4 On the
Performance of Heuristics for Broadcast Scheduling
; 1 Introduction ; 2 The Broadcast Scheduling Problem
; 3 Heuristics ; 4 Computational Results
5 Conclusion References ; 5 Natural Language
Processing in Control of Unmanned Aerial Vehicles
; 1 Introduction ; 2 Overview of Example Implementation
; 3 Detailed Description ; 4 Results ; 5
Future Work ; References ; Appendix: Examples
of Parsed Outputs
6 Lyapunov-Based Partial Stabilization of a Nonholonomic UAV Model
With Polytopic Input Constraints
1 Introduction ; 2 Control Lyapunov Functions
; 3 Removing Redundancy and Vertex Enumeration
; 4 Parameterizing S ; 5 Optimizing the Weighting
Vector ; 6 Unicycle Model System
7 Discussion and Conclusion

Sommario/riassunto

Over the past several years, cooperative control and optimization have increasingly played a larger and more important role in many aspects of military sciences, biology, communications, robotics, and decision making. At the same time, cooperative systems are notoriously difficult to model, analyze, and solve - while intuitively understood, they are not axiomatically defined in any commonly accepted manner. The works in this volume provide outstanding insights into this very complex area of research. They are the result of invited papers and selected presentations at the <i>Fourth Annual Conf
