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Nota di contenuto	Intro -- Preface -- Organization -- Contents -- ICT's Applications -- An Online BCI System Based in SSVEPs to Control IoT Devices -- 1 Introduction -- 2 State of Art -- 3 Methodology -- 4 Development of the Solution -- 4.1 First Increment -- 4.2 Second Increment -- 4.3 Third Increment -- 4.4 Fourth Increment -- 4.5 Test of the Integrated Prototype -- 5 Results and Discussion -- 5.1 Results -- 5.2 Discussion -- 6 Conclusions -- References -- Collision Avoidance Simulation Using Voronoi Diagrams in a Centralized System of Holonomic Multi-agents -- 1 Introduction -- 2 Related Work -- 2.1 Collision Avoidance -- 2.2 Voronoi Diagrams -- 2.3 Multi-agent Navigation -- 3 Methodology -- 3.1 Model Proposal -- 3.2 Two-Dimensional Environment -- 3.3 Heuristics to Deal with Deadlock -- 3.4 QP-Based Receding Horizons Control Algorithm -- 3.5 Analytical Geometrical Algorithm -- 3.6 Optimal Reciprocal Collision Avoidance Algorithm -- 3.7 Analysis Method -- 4 Results and Discussion -- 4.1 Construction of Voronoi Diagram -- 4.2 Deadlock -- 4.3 Evaluation of Algorithms -- 4.4 Implementation -- 5 Conclusions -- 5.1 Future Work -- References -- Intelligent Electromyograph for Early Detection of Myopathy and Neuropathy Using EMG Signals and Neural Network Model -- 1 Introduction -- 2 Materials and Methods -- 2.1 Obtaining and Process Signal -- 2.2 Database Creation -- 2.3 Develop the Predictive Model -- 2.4 Prediction of Health Status -- 3 Results -- 3.1 Obtaining

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