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Nota di contenuto	Intro -- Preface -- Organization -- Contents - Part II -- Artificial Intelligence -- A Calibration Strategy for Smart Welding -- 1 Introduction -- 2 Background -- 3 Calibration Method and Models -- 3.1 Camera Calibration -- 3.2 Laer Calibration -- 3.3 Hand-Eye Calibration -- 4 Experiment and Results -- 4.1 Image Processing -- 4.2 Transformation Image Coordinates to Camera Co-ordinate -- 4.3 Transformation Camera Coordinates to Robot Coordinate -- 5 Conclusion -- 6 Future Work -- References -- Brain Connectivity: Exploring from a High-Level Topological Perspective -- 1 Introduction -- 2 Materials and Methods -- 2.1 Participants and Data Acquisition -- 2.2 Data Preprocessing -- 2.3 Subnetwork Embedding -- 2.4 SE-Based Identification -- 3 Results -- 3.1 The Stable Relationship Between SEs -- 3.2 Traditional Relationship Preserved in SE Vectors -- 3.3 Comparison Between the Traditional and Reconstructed Coupling -- 3.4 Coupling in Schizophrenia -- 4 Discussion -- 4.1 A Subsection Sample -- 5 Conclusion -- References -- Hetero-STAN: Crowd Flow Prediction by Heterogeneous Spatio-Temporal Attention Network -- 1 Introduction -- 2 Related Works -- 3 Methodology -- 3.1 Formulation of Spatio-Temporal Prediction -- 3.2 Heterogeneous Feature Enhancement -- 3.3 Spatio-Temporal Attention Mechanism -- 4 Experiments and Analyses -- 5 Conclusion -- References -- UAV Track

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