

Theme 1-1: Robotics and Intelligent Autonomous Systems - 2019

Title	Authors	Scopus Source title	Volume	Issue	Pages	Source type	Publication type	Open Access
Modeling agent-environment interactions in large-scale multi-agent based simulation systems	Al-Zinati, M. Wenkstern, R.	Proceedings of the International Joint Conference on Autonomous Agents and Multiagent Systems, AAMAS	2	-	763-771	Conference Proceeding	Conference Paper	0
Optimal Coil Design for a Quadrotor Wireless Charging System	Zahid, M. Fayyad, J. Dhaouadi, R. Mukhopadhyay, S. Qaddoumi, N.	2019 IEEE 4th International Future Energy Electronics Conference, IFEEC 2019	-	-	-	Conference Proceeding	Conference Paper	
Techniques of Indoor Positioning Systems (IPS): A Survey	Alkhawaja, F. Jaradat, M. Romdhane, L.	2019 Advances in Science and Engineering Technology International Conferences, ASET 2019	-	-	-	Conference Proceeding	Conference Paper	
Sizing process, aerodynamic analysis, and experimental assessment of a biplane flapping wing nano air vehicle	Ghommem, M. Hassanalian, M. Al-Marzooqi, M. Throneberry, G. Abdelkefi, A.	Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering	233	15	5618-5636	Journal	Article	
Mitigating the Effect of Noise Uncertainty on the Online State-of-Charge Estimation of Li-Ion Battery Cells	Wadi, A. Abdel-Hafez, M.F. Hussein, A.A.	IEEE Transactions on Vehicular Technology	68	9	8593-8600	Journal	Article	
Error estimation and sensitivity analysis of the 3-UPU translational parallel robot due to design parameter uncertainties	El Hraiech, S. Chebbi, A.H. Affi, Z. Romdhane, L.	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	233	8	2713-2727	Journal	Article	
Analytical analysis of the dynamic of a spherical parallel manipulator	Elgolli, H. Houidi, A. Mlika, A. Romdhane, L.	International Journal of Advanced Manufacturing Technology	101	1-4	859-871	Journal	Article	
Geometric Based Approach for Workspace Analysis of Translational Parallel Robots	Ben Hamida, I. Laribi, M.A. Mlika, A. Romdhane, L. Zeghloul, S.	CISM International Centre for Mechanical Sciences, Courses and Lectures	584	-	180-188	Book Series	Chapter	
Auto Takeoff and Precision Terminal-Phase Landing Using an Experimental Optical Flow Model for Global Positioning System/Inertial Navigation System Enhancement	Al-Sharman, M.K. Al-Jarrah, M.A. Abdel-Hafez, M.	ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering	5	1	-	Journal	Article	
Comparative Study of Design of a 3-DOF Translational Parallel Manipulator with Prescribed Workspace	Hamida, I.B. Laribi, M.A. Mlika, A. Romdhane, L. Zeghloul, S.	Mechanisms and Machine Science	73	-	501-512	Book Series	Conference Paper	
A potential field simulation study for mobile robot path planning in dynamic environments	Garibeh, M.H. Jaradat, M.A.K. Rawashdeh, N.A.	Proceedings of the 2019 20th International Conference on Research and Education in Mechatronics, REM 2019	-	-	-	Conference Proceeding	Conference Paper	
Parametric dynamic analysis of walking within a cable-based gait trainer	Lamine, H. Romdhane, L. Bennour, S.	Robotica	37	7	1225-1239	Journal	Conference Paper	
Sizing and aerodynamic analysis of biplane flapping wing nano air vehicle: Theory and experiment	Ghommem, M. Throneberry, G. Hassanalian, M. Al-Marzooqi, M. Al-Zaabi, N. Hozhabr, B. Abdelkefi, A.	AIAA Scitech 2019 Forum	-	-	-	Conference Proceeding	Conference Paper	
On the Tip-path-plane flapping angles estimation for small-scale flybarless helicopters at near-hover	Al-Sharman, M.K. Abdel-Hafez, M.F.	Studies in Systems, Decision and Control	175	-	343-359	Book Series	Chapter	