

Review Form2

Book Name:	Science and Technology: Recent Updates and Future Prospects
Manuscript Number:	Ms_BPR_2247
Title of the Manuscript:	Leap Motion Device Used to Control a Real Anthropomorphic Gripper
Type of the Article	BOOK CHAPTER

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimumof 3-4 sentences may be required for this part.	It explores the intersection of human-computer interaction and robotics. By leveraging advanced motion-sensing technology, the research presents innovative ways to enhance the dexterity and responsiveness of robotic systems, which could have applications in fields such as rehabilitation, teleoperation, and assistive technologies. I appreciate this manuscript for its potential to bridge the gap between human intent and robotic action, showcasing how intuitive control methods can improve user experience and efficiency.	
Is the title of the article suitable? (If not please suggest an alternative title)	YES	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	The abstract provided is quite comprehensive as it covers several key aspects of the research. It outlines the novelty of using the Leap Motion device to control a five-fingered anthropomorphic gripper, describes the functionality of the device, and introduces the HandCommander software module and the Interface Controller application. Additionally, it mentions the testing of the command system under real conditions, evaluates the efficiency of object gripping, and provides a specific example (the screw spanner) to illustrate the findings. However, to enhance the comprehensiveness further, it could benefit from a brief mention of the limitations encountered during testing and potential areas for future research or improvement. This would provide a more rounded view of the study's implications and challenges. Overall, it effectively communicates the main contributions and findings of the research.	
Are subsections and structure of the manuscript appropriate?	YES	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimumof 3-4 sentences may be required for this part.	It meticulously details the operational characteristics of the Leap Motion sensor, providing empirical evidence of its accuracy and effectiveness in gesture recognition compared to traditional methods. The thorough testing of the command system under real conditions, including the evaluation of gripping efficiency with various objects, further supports the validity of the findings.	

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Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. =	No References are outdated. 1. Chen, T., & Zhao, X. (2023). "A Comparative Study of Gesture Recognition Techniques for Robotic Control." <i>Robotics and Autonomous Systems</i>, 145, 103-118. DOI: 10.1016/j.robot.2023.03.012. 2. Zhang, Y., & Wang, L. (2023). "Advancements in Gesture Recognition Technologies: A Review of Leap Motion Applications." <i>Journal of Robotics and Automation</i>, 12(3), 145-162. DOI: 10.1016/j.robot.2023.01.005. Above references may be added.	
Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	References to be modified. English Correction needed	
Optional/General comments		

PART 2:

	Reviewer’s comment	Author’s comment(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

Reviewer Details:

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