3D Head Pointer: A manipulation method that enables the spatial position and posture for an SRL
ACTA IMEKO

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Dear editors:

I would like to submit the manuscript entitled "3D Head Pointer: A manipulation method that enables the spatial position and posture for an SRL" by Joi Oh to be considered for publication as an extended research paper in the *ACTA IMEKO*.

From the paper presented at ISMCR2020, the following items were added in this paper
The additions are mainly in Section 4 and later in the paper.

- We proposed a method of using the head for SRL to provide posture indications in addition to the position indications.
- We also proposed "switching indication," which switches between position and posture indications.
- The entire system, including position posture indications with two switching methods (voice recognition and head gestures), was evaluated using an optical see-through HMD supposed to use in actual robot arms.
- The obtained results displayed an accuracy of 1.25 cm and 3.56° with a 20-s time span necessary to communicate an instruction.
- These results, along with the confirmed ability of operation the actual robot arms using an optical see-through HMD, showed that voice recognition is an effective switching method compared to head gestures.
- We discussed the improvements in the posture indications.

We declare that this manuscript is original, has not been published before and is not currently being considered for publication elsewhere.

We know of no conflicts of interest associated with this publication, and there has been no significant financial support for this work that could have influenced its outcome. As Corresponding Author, I confirm that the manuscript has been read and approved for submission by all the named authors.

We hope you find our manuscript suitable for publication and look forward to hearing from you in due course.

Sincerely,

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