

# CALL FOR PAPERS

## Journal of Robotics and Mechatronics

### Special Issue on “Augmenting the Human Body and Being”

Vol.33 No.5 (October 2021), Fuji Technology Press, Japan

**Focus:** Humans have a long history of self-augmentation, both in terms of body and being. Since ancient times, people have used cosmetics and implements to alter their appearance, state of mind, and abilities. As technology has advanced, the ways in which people have augmented themselves have only grown in variety and freedom. With modern virtual reality technology, for example, the only limit on augmenting one’s appearance and abilities is the designer’s imagination. Advances in the domains of robotics and human-computer interaction have similarly begun to extend the limits of the human form and its abilities in the physical world. Future advancements are expected to only further the release of the human race from limitations, eventually leading to the ability to achieve a freeform self.

This special issue seeks to gather cutting-edge research that aims to enhance and augment humans, both in body and being. Papers exploring the development of novel augmentations and/or the psychological and physical effects of the augmentations are welcome in this special issue. We welcome papers pertaining to any of the following topics:

1. Human augmentation
2. Robotics
3. Supernumerary limbs
4. Smart artifacts and smart textiles
5. Wearable and ubiquitous computing
6. Bionic systems
7. Exoskeletons
8. Implanted technologies and interfaces
9. Virtual, mixed, and augmented reality
10. Machine learning
11. Human-computer interaction
12. Cognitive neuroscience
13. Functional neuroimaging
14. Neurological augmentation
15. Brain-machine interfaces
16. Sensorimotor systems
17. Biosignal processing
18. Perception and cognition
19. Somatic cognition
20. Social psychology
21. Behavior analysis
22. Augmented sport
23. Training and rehabilitation technology
24. Design
25. Fashion
26. Technology and society
27. Privacy and security
28. Philosophy of science

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#### Important Dates:

#### Submission deadline

Notification of acceptance/rejection

Final manuscript submission

#### Publication

~~March 20, 2021~~ ⇒ **April 3, 2021**

July 20, 2021

August 20, 2021

**October 20, 2021**



Index in: *ESCI*,  
*Scopus*, *Compendex*

#### Submission/Contact to:

JRM Editorial Office, Fuji Technology Press, Japan: [robot@fujipress.jp](mailto:robot@fujipress.jp)

- ◆ Papers should be submitted in Microsoft Word or PDF format. Details on submission and the journal are available at the following link: <https://www.fujipress.jp/jrm/rb/>
- ◆ Submissions can be either Japanese or English. Submissions in Japanese will be translated by the publisher and used after being proofread by the author.
- ◆ Papers submitted to this special issue will undergo our usual review process. Paper may be published in general issues based on review results.

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