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Robotic Services for New Paradigm Smart Cities Based on Decentralized Technologies: Open Review

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Reviewer: Reviewer A

Abstract. The final version of the paper "Robotic Services for New Paradigm Smart Cities Based on Decentralized Technologies" can be found in Ledger Vol. 4, S1 (2019) 56-66, DOI 10.5915/LEDGER.2019.177. There was one reviewer involved in the review process, who has not requested to waive their anonymity at present, and is thus listed as Reviewer A. Initial review indicated the submission could be accepted with minor revisions (1A), the author then submitted a revised submission, after which the editors determined that the author had adequately addressed the reviewer concerns, completing the peer-review process.

1A. Review

Reviewer A:

This manuscript introduces new paradigms for smart cities based on decentralized technologies, in particular, by using robotic services as a main innovation. The paper is well written in general. However, when authors mention the role of privacy and secure-data sharing some additional references should be added:

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Castelló Ferrer, E., Rudovic, O., Hardjono, T., & Pentland, A. S. (2018). RoboChain: A Secure Data-Sharing Framework for Human-Robot Interaction. eTELEMED conference.

In sections 2,3,4,5, and 6 authors explain different domains where the proposed combination of robotics and blockchain might be useful. Since this is a vision paper, it would be interesting to count with figures and graphics (for each section) that illustrate the applications proposed. In addition, this reviewer needs to point out that colloquial language is not suitable for a scientific paper. Sentences like “On our project AIRA since 2015 we are engaged in the implementation ...” need to be rephrased and backed up by published references. Finally, to create an acknowledgements section might be a good idea.

My recommendation is to accept the paper once authors have fixed the points and suggestions introduced before.

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