# Juan G. Victores

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- 4. Rubén de-la Torre, Edwin Daniel Oña, Juan G. Victores, and Alberto Jardón. Spasticsim: a synthetic data generation method for upper limb spasticity modelling in neurorehabilitation. *Scientific Reports*, 14:1646, 1 2024. ISSN 2045-2322. doi: 10.1038/s41598-024-51993-w. URL https://doi.org/10.1038/s41598-024-51993-w [robot] [rehabilitation] (Q2)
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- 6. Raul Fernandez-Fernandez, Juan G. Victores, and Carlos Balaguer. Deep robot sketching: An application of deep q-learning networks for human-like sketching. *Cognitive Systems Research*, 81:57–63, 9 2023b. ISSN 1389-0417. doi: 10.1016/J.COGSYS.2023.05.004. URL https://doi.org/10.1016/J.COGSYS.2023.05.004 [robot] [xgnitive: cgda] (Q2)
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- 8. Andrea Gil Ruiz, Juan G Victores, Bartek Łukawski, and Carlos Balaguer. Design of an active vision system for high-level isolation units through q-learning. *Applied Sciences*, 10:5927, 8 2020. ISSN 2076-3417. doi: 10.3390/app10175927. URL https://doi.org/10.3390/app10175927 [robot] [textiles: horus] (Q2)
- 9. David Estevez, Juan G. Victores, Raul Fernandez-Fernandez, and Carlos Balaguer. Enabling garment-agnostic laundry tasks for a robot household companion. *Robotics and Autonomous Systems*, 123: 103330, 1 2020. ISSN 0921-8890. doi: 10.1016/j.robot.2019.103330. URL https://doi.org/10.1016/j.robot.2019.103330 [robot] [textiles: folding] [textiles: ironing] (Q2)
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- 13. Santiago Martinez, Juan Miguel Garcia-Haro, Juan G. Victores, Alberto Jardon, and Carlos Balaguer. Experimental robot model adjustments based on force-torque sensor information. *Sensors*, 18:836, 3 2018. ISSN 14248220. doi: 10.3390/s18030836. URL https://doi.org/10.3390/s18030836 [robot] [humanoid] (Q1)
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### Patents (2)

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- 2. Juan G. Victores, Santiago Martinez, Alberto Jardón, and Carlos Balaguer. Tool and method for the automatic remote application of strips of fibre-reinforced polymer tape, comprising the dispensing of epoxy adhesive, 2011b. URL http://www.google.im/patents/W02011138481A1?cl=en [robot] [construction]

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- 1. Juan G. Victores, Elisabeth Menendez, and Carlos Balaguer. Tunnel structural inspection and assessment using an autonomous robotic system. pages 185–203. Wiley Online Library, 2024. doi: 10.1002/9781394162871.ch9. URL https://doi.org/10.1002/9781394162871.ch9 [robot] [construction]
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- Ana Calzada, Bartek Łukawski, Juan G Victores, and Carlos Balaguer. Teleoperation of the robot tiago with a 3d mouse controller. pages 133–138. Universidad de Extremadura. Servicio de Publicaciones, 5 2024. ISBN 978-84-9127-262-5. URL http://hdl.handle.net/10662/21260 [robot] [teleoperation]
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- 3. Johnny J Yepez-Figueroa, Juan G Victores, Alberto Jardón, and Carlos Balaguer. Diseño mecatrónico y construcción de un robot móvil omni-direccional de tres ruedas para transporte de carga en ambientes industriales. pages 43–48. Universidad de Extremadura. Servicio de Publicaciones, 5 2024. ISBN 978-84-9127-262-5. URL http://hdl.handle.net/10662/21260 [robot] [design]
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#### PhD Thesis (Author)

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### Research Stays (2)

Oct. 2018 – The University of Manchester. Cognitive Robotics Lab.

Jan. 2019 Estancia de 3 meses destinado a la investigación del uso de Deep Learning para el estudio de conceptos abstractos con el robot iCub (Manchester, UK).

Sept. 2011 - Istituto Italiano di Tecnologia. Department of Robotics, Brain and Cognitive Sciences.

Dic. 2011 Estancia de 3 meses destinado a la investigación del uso de Support Vector Machines y Gaussianas mixtas para el control en fuerza del robot iCub (Génova, Italia).

## Workshop Organizer (2)

- 1. Juan G. Victores, Lorenzo Natale, Eiichi Yoshida. Towards Humanoid Robots OS. HUMANOIDS. Cancun, Mexico. Nov 15. 2016. https://roboticslab-uc3m.github.io/workshop-humanoids2016/
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