

# Juan G. Victores

## Journal Articles (17)

1. Alice Stazio, Juan G. Victores, David Estevez, and Carlos Balaguer. A Study on Machine Vision Techniques for the Inspection of Health Personnels' Protective Suits for the Treatment of Patients in Extreme Isolation. *Electronics*, 8(7):743, jun 2019. doi: 10.3390/electronics8070743. URL <https://doi.org/10.3390/electronics8070743> (Q2)
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3. Raul Fernandez-Fernandez, Juan G. Victores, David Estevez, and Carlos Balaguer. Real Evaluations Tractability using Continuous Goal-Directed Actions in Smart City Applications. *Sensors*, 18(11):3818, nov 2018a. ISSN 1424-8220. doi: 10.3390/s18113818. URL <https://doi.org/10.3390/s18113818> (Q1)
4. 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(3):836, mar 2018. ISSN 14248220. doi: 10.3390/s18030836. URL <https://doi.org/10.3390/s18030836> (Q1)
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## Patents (2)

1. Alberto Jardón Huete, Santiago Martínez, Juan G. Victores, Carlos Balaguer, Rafael Portero, and Marc Martí. Sistema y método para la verificación de la trayectoria de un tunel, 2014. URL <http://invenes.oepm.es/InvenesWeb/detalle?referencia=P201330794>
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1. Raul Fernandez-Fernandez, Juan G. Victores, and Carlos Balaguer. New Trends and Challanges in the Automatic Generation of New Tasks for Humanoid Robots. In *Robocity16: Open Conference on Future Trends in Robotics*, pages 169–176. CSIC, Madrid, may 2016. ISBN 978-84-608-8452-1. URL <http://www.robocity2030.org/events/event/evento-esp-2-2/>

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5. Santiago Morante, Juan G. Victores, Santiago Martínez, and Carlos Balaguer. Force-sensorless friction and gravity compensation for robots. In *Advances in Intelligent Systems and Computing*, volume 418, chapter Robot 2015. Springer International Publishing, 2015c. ISBN 9783319271484. doi: 10.1007/978-3-319-27149-1\_5
6. Alberto Jardón, Félix R. Cañadillas, Juan G. Victores, Santiago Martínez, and Carlos Balaguer. A Review of Eight Years of CEABOT Contest: A National Wide Mini Humanoids Competition. In Manuel A. Armada, Alberto Sanfeliu, and Manuel Ferre, editors, *ROBOT2013: First Iberian Robotics Conference*, pages 41–52. Springer International Publishing, 2014a. ISBN 978-3-319-03652-6. doi: 10.1007/978-3-319-03653-3\_4. URL [http://dx.doi.org/10.1007/978-3-319-03653-3\\_4](http://dx.doi.org/10.1007/978-3-319-03653-3_4)
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1. David Estevez, Juan G. Victores, Raul Fernandez-Fernandez, and Carlos Balaguer. Towards Clothes Hanging via Cloth Simulation and Deep Convolutional Networks. In *EUROSIM 2019*, page 35, Logroño, jul 2019. ISBN 978-3-901608-92-6. doi: 10.11128/arep.58. URL <https://www.doi.org/10.11128/arep.58>
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## Conference Videos (2)

1. Juan G Victores, Santiago Morante, Alberto Jardón, and Carlos Balaguer. On Using Humanoid Robot Imagination to Perform the Shortened Token Test. In *IEEE RAS International Conference on Humanoid Robots (Humanoids 2014)*, page 172, Madrid, 2014c. IEEE. doi: 10.1109/HUMANOIDS.2014.7041355. URL <https://youtu.be/KFHFw9dJfzA>
2. Santiago Morante, Juan G Victores, Santiago Martinez de la casa, and Carlos Balaguer. Sensorless Friction and Gravity Compensation. In *IEEE RAS International Conference on Humanoid Robots (Humanoids 2014)*, page 265, Madrid, 2014c. IEEE. doi: 10.1109/HUMANOIDS.2014.7041370. URL <https://www.dailymotion.com/video/x2vjrfjs>

## PhD Thesis (Author)

1. Juan G. Victores. *Robot Imagination System*. PhD thesis, Universidad Carlos III de Madrid, 2014. URL <http://e-archivo.uc3m.es/handle/10016/19834>

## PhD Thesis (Advisor)

1. Santiago Morante. *Continuous Goal-Directed Actions: Advances in Robot Learning*. PhD thesis, Universidad Carlos III de Madrid, mar 2016. URL <http://e-archivo.uc3m.es/handle/10016/23459>



## 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/>
2. Angelos Amditis, Konstantinos Loupos, Juan G. Victores. Autonomous Robotic Systems for Inspection and Structural Assessment of Civil Underground Infrastructures. European Robotics Forum (ERF). Ljubljana, Slovenia. Mar 22. 2016. [https://www.eu-robotics.net/robotics\\_forum/upload/digest\\_1-96\\_without\\_emails\\_250ppi1.pdf](https://www.eu-robotics.net/robotics_forum/upload/digest_1-96_without_emails_250ppi1.pdf)

## Talks (2)

1. Juan G. Victores. XGNITIVE: Avances hacia la generalización avanzada de acciones y sistemas de imaginación en robótica. Technology Festival (Techfest). Universidad Rey Juan Carlos (URJC). 2017. <https://www.eventbrite.es/e/registro-technology-festival-urjc-2017-28838850779?aff=es2#>
2. Angelos Amditis, Juan G. Victores, Fedi Francesco. Welcome and Introduction. Autonomous Robotic Systems for Inspection and Structural Assessment of Civil Underground Infrastructures. European Robotics Forum (ERF). Ljubljana, Slovenia. Mar 22. 2016. [https://www.eu-robotics.net/robotics\\_forum/upload/digest\\_1-96\\_without\\_emails\\_250ppi1.pdf](https://www.eu-robotics.net/robotics_forum/upload/digest_1-96_without_emails_250ppi1.pdf)