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List of the most relevant scientific papers published in the last 5 years

- 1 João Cunha, António J. R. Neves, José Luis Azevedo, Bernardo Cunha, Nuno Lau, Artur Pereira, A mobile robotic platform for elderly care, AAL workshop, BIOSTEC 2011, Rome, Italy, 2011.
- 2 António J. R. Neves, Armando J. Pinho, Daniel A. Martins, Bernardo Cunha. An efficient omnidirectional vision system for soccer robots: from calibration to object detection. *Mechatronics*, 2010 (in press).
- 3 João Silva, Nuno Lau, António J. R. Neves, João M. O. S. Rodrigues, José Luís Azevedo. World modeling on an MSL robotic soccer team. *Mechatronics*, 2010 (in Press).
- 4 Nuno Lau, Luís Seabra Lopes, Gustavo Corrente, Nelson Filipe, Ricardo Sequeira. Robot team coordination using dynamic role and positioning assignment and role based setplays. *Mechatronics*, 2010 (in Press).
- 5 Luís Mota, Luís Paulo Reis, Nuno Lau. Multi-robot coordination using setplays in the middle-size and simulation leagues. *Mechatronics*, 2010 (in Press).
- 6 Silva, J., Lau, N., Rodrigues, J., Azevedo, J.L., Neves, A.J.R.: Sensor and information fusion applied to a robotic soccer team. In: *RoboCup 2009: Robot Soccer World Cup XIII. Lecture Notes in Artificial Intelligence*, Springer (2009)
- 7 Santos, F., Almeida, L., Lopes, L.S., Azevedo, J.L., Cunha, M.B.: Communicating among robots in the robocup middle-size league. In: *RoboCup 2009: Robot Soccer World Cup XIII. Lecture Notes in Artificial Intelligence*, Springer (2009)
- 8 Neves, A.J.R., B. Cunha, A.J.P., Pinheiro, I.: Autonomous configuration of parameters in robotic digital cameras. In: *Proc. of the 4th Iberian Conference on Pattern Recognition and Image Analysis, IbPRIA-2009. Volume 5524 of Lecture Notes in Computer Science.*, Póvoa de Varzim, Portugal, Springer (June 2009) 80–87
- 9 Lau, N., Lopes, L.S., Corrente, G., Filipe, N.: Multi-robot team coordination through roles, positioning and coordinated procedures. In: *Proc. of the IEEE/RSJ International Conference on Intelligent Robots and Systems, IROS-2009, St. Louis, MO, USA (2009) 5841 – 5848*
- 10 Cunha, J., Lau, N., Rodrigues, J., Cunha, B., Azevedo, J.L.: Predictive control for behavior generation of omni-directional robots. In: *Proc. of the 4th International Workshop on Intelligent Robotics, IROBOT'09. Lecture Notes in Computer Science, LNAI 5816, Aveiro, Portugal, Springer (2009) 275–286*