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Laboratoire d'ingénierie des systèmes de Vers

CONFÉRENCES INTERNATIONALES DE LA THÉMATIQUE BIOMIMÉTIQUE ET COMMANDE 2005 - 2009

Conférences internationales avec comité de lecture et actes 2011

2011

V. Khomenko, O. Bruneau, F.B. Ouezdou, P. Hénaff, A. Melnyk, V. Borysenko “Non-Invasive Low Cost Method for Linear and Angular Accelerations Measurement in Biped Locomotion Mechanisms”, IEEE Proc. of SENSORS 2011, pp. 1756-1759, Limerick, October 28-31, Ireland, 2011

J.-C. Palyart Lamarche, O. Bruneau and J.-G. Fontaine, “Time-Independent, Spatial Human Coordination For Humanoids”, IEEE Proc. of Intelligent Robots and Systems,

2011, IROS 2011, pp. 3951-3956, IEEE/RSJ International Conference, San Francisco, California, USA, September 25-30, 2011.

A. Tayebi, A. Roberts and A. Benallegue, "Inertial Measurements Based Dynamic Attitude Estimation and Velocity-Free Attitude Stabilization", in American Control Conference (ACC'2011), San Francisco, California, USA June 29 - July 1, 2011.

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J.-C. Palyart Lamarche, O. Bruneau and J.-G. Fontaine " Humanoid Walking Coordination Through a Single Spatial Parameter ", IEEE-RAS International Conference on Humanoid Robots, Humanoids10, pp. 230-236, December 6-8, 2010, Nashville, TN, USA.

P.-F. Douliez, O. Bruneau and F. Ben Ouezdou, "Dynamic obstacle crossing by a biped robot, based on control of the propulsion energy", IEEE Proc. of Intelligent Robots and Systems, 2010, IROS 2010, pp. 3144-3149, IEEE/RSJ International Conference, Taipei, Taiwan, October 18-22, 2010.

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N. Gachadoit, A. El Hadri, A. Benallegue, A. Seba and B. Vidalie "Advanced Modeling with a Symbolic Based Approach Application to the Modeling, Control Design and Real-Time Control and HIL Simulation of a Quadrotor Helicopter" in European Congress in Embedded Real Time Software and Systems (ERTS'2010), May 19-21, Toulouse, France.

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A. El Hadri and A. Benallegue “Attitude Estimation with Gyros-Bias Compensation Using Low-Cost Sensors” in IEEE Conference on Decision and Control (CDC’2009), Shanghai, China, December 16-18, 2009.

A. Veinguertener, T. Hoinville, O. Bruneau and J.-G. Fontaine, “ From morphologies of six-, four- and two-legged animals to the kinematics of the reconfigurable HexaQuaBip robot ”, Second International Conference on Intelligent Robotics and Applications, ICIRA 2009, pp 1255-1265, December 16-18, Singapore, 2009.

A. Hourieh, O. Bruneau and F. Ben Ouezdou, “A Kinematic Approach of Walking of a BipedalSystem Based on Coordination Functions ”, IEEE-RAS International Conference on Humanoid Robots, Humanoids09, pp. 309-316, Paris, December 7-10, 2009.

O. Bruneau, F. Gravez, F.B. Ouezdou, “Planning approach and local reactivity for 3D, Operational space control of 3D bipedal robots with flexible feet”, IEEE Proc. of Intelligent Robots and Systems, 2009, IROS 2009, pp. 3037-3042, IEEE/RSJ International Conference, Saint-Louis, USA, October 11-15, 2009.

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C. Zaoui, O. Bruneau, F.B. Ouezdou, A. Maalej, “Compensation of forces exerted over a short period applied to the ROBIAN Biped Robot Trunk: Simulations and Experiments”, The International multi-conference on systems, signals and devices, SSD’08 IEEE, pp. 1 - 6, Amman, Jordan, 20-23 July 2008.

T. Madani and A. Benallegue “Adaptive Control via Backstepping Technique and Neural Networks for a Quadrotor Helicopter” in the 17th World Congress of International Federation of Automatic Control (IFAC’2008), COEX, Seoul, Korea. July 6-11, 2008.

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A. Mokhtari, A. Benallegue, Y. Orlov and B. Daachi “ Nonlinear H Control of a Quadrotor Unmanned Aerial Vehicle” in 13th International Conference on Applied Mechanics and mechanical Engineering, Cairo, Egypt, 27-29 May, 2008.

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