

DMS-2011

ISI and/or Scopus Journals

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Flores, P., Machado, M., Silva, M.T., Martins, J.M.

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Multibody System Dynamics, Vol. 25(3), pp. 357–375, 2011.

Tian, Q., Liu, C. Machado, M., Flores, P.

A new model for dry and lubricated cylindrical joints with clearance in spatial flexible multibody systems

Nonlinear Dynamics, Vol. 64(1-2), pp. 25-47, 2011.

Machado, J., Seabra, E., Campos, J. C., Soares, F., Leão, C. P.

Safe controllers design for industrial automation systems

Journal of Computers & Industrial Engineering 60 (2011): 635–653.

Puga, H., Barbosa, J., Gabriel, J., Seabra, E., Ribeiro, S., Prokic, M.

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Journal of Materials Processing Technology (2011).

Solghar, A.A., Brito, F.P., Claro, J.C.P., Nassab, S.A.G.

An experimental study of the influence of loading direction on the thermohydrodynamic behaviour of twin axial groove journal bearing

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Advanced Materials Research, Vols. 160-162, pp 135-139, 2011.

Costa, S., Peixinho, N., Mendonça, J. P.

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Applied Mechanics and Materials, Vols. 44-47, pp. 1460-1464, 2011.

Rocha, T. M., Meireles, J. F. B., Pinho, A. C. M., Ambrósio, J. A. C.

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Int. J. Mechatronics and Manufacturing Systems, Vol. 4, No. 5, 2011, pp.402–414.

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iJET International Journal of Emerging Technologies in Learning 6, S. Issue 1: 21 – 26, 2011.

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In Technology and Medical Sciences, Tavares J., Natal R., Pinotti M. and Slade A. (editors). ISBN: 978-0-415-66822-4, e-ISBN: 978-0-203-81659-2. Publisher: Taylor and Francis, pp. 83-88, January 2011.

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Procedia IUTAM, Elsevier, J.J. McPhee, J. Kövecses (eds.), Volume 2, Chapter 7, pp. 58-67, 2011.

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EUROMECH Colloquium 511 – Biomechanics of Human Motion: New Frontiers of Multibody Techniques for Clinical Applications
Proceedings published in CD-ROM, Universidade dos Açores, Portugal, 9-12 de Março, 2011.

Special Issues Edition

Van der Helm, F., Kecskemethy, A., Silva, M., Flores, P., (Eds.)
Multibody System Dynamics, Special Issue - includes papers presented at EUROMECH Colloquium 511 on Biomechanics of Human Motion (coming soon).

International Conferences

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Supporting requirements formulation in software formal verification

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Influence of the dissipative contact models on the dynamic response of multibody systems

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A Dependable Automated People Mover System Modeled and Verified using Timed Automata: A Case Study

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Design of an actuation system able to reproduce the blood flow in arteries

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Selected Proceedings of the 14th International Congress on Project Engineering, AIPRO, 2010, Madrid, Spain, 30 Jun - 2 Jul, 2010, ISBN 978-84-614-6523-1, Depósito Legal M-3547-2011, pp 214-250.

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National Conferences

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Biomechanical Multibody Knee Model with Condyle Contact: Modeling, simulation and Analysis

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4º Congresso Nacional de Biomecânica, Coimbra, 4 e 5 de Fevereiro, 2011, pp. 231-237.

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4º Congresso Nacional de Biomecânica, Coimbra, 4 e 5 de fevereiro, 2011, pp. 561-566.

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Overview on the Modelling of the Biomechanical Behavior of the Intervertebral Disc

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M. Pinheiro, JS. Meireles, J.L. Alves

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Eds. L.Roseiro, M.A.Neto, 4º Congresso Nacional de Biomecânica, Coimbra, [Coimbra: Departamento de Engenharia Mecânica da Universidade de Coimbra, 2011]. p. 264-272, 2011.