Exhibition, 23-24 April 2007, Belgrade, Serbia, ISBN 978-86-80941-31-8

[3] G. Bellavia, G. Virzi' Mariotti, Development of an Anthropomorphic model for Vehicle – Pedestrian Crash Test, *Ingegneria dell'Autoveicolo*, vol. 62, n. 3/4 marzo aprile 2009, pag. 48-56; *XXI Science and Motor Vehicles 2007, JUMV international Conference with Exhibition*, 23-24 April 2007, Belgrade, Serbia, ISBN 978-86-80941-31-8

[4] A. F. Williams, J. Tison, Motor vehicle fatal crash profiles of 13-15-year-olds, *Journal of Safety Research*, 43, 2012, 145-149

[5] M. Kleinberger, E. Sun, R. Eppinger, S. Kuppa, R. Saul, Development of Improved Injury Criteria for the Assessment of Advanced Automotive Restraint Systems, *National Highway Traffic Safety Administration*, September 1998

[6] J W Watson, Investigation of Cyclist and Pedestrian Impacts with Motor Vehicles using Experimentation and Simulation, *PhD thesis*, Cranfield University, feb. 2010

[7] Y. Peng, Y. Chen, J. Yang, D. Otte, R. Willinger, A study of pedestrian and bicyclist exposure to head injury in passenger car collisions based on accident data and simulations, *Safety Science* 50 (9), 2012, 1749-1759

[8] Q. Chen, Y. Chen, O. Bostrom, Y. Ma, E. Liu, A comparison study of car-to-pedestrian and car-to-E-bike accidents: Data source: The China in-depth accident study (CIDAS), *SAE Technical Paper* 2014-01-0519, 2014, doi:10.4271/2014-01-0519.

[9] M. X. Xu, Reconstruction analysis of car-electric bicycle side impact accident based on PC-Crash, *Journal of Chang'an University (Natural Science Edition)*, ISSN: 1671-8879, 33, 1, 2013, 85 - 88+99

[10] N. Chaurand, P. Delhomme, Cyclists and drivers in road interactions: A comparison of perceived crash risk - *Accident Analysis and Prevention* 50, 2013, 1176–1184

[11] G. Milne, C. Deck, N. Bourdet, (...), R. P. Carreira, R. Willinger, Assessment of bicyclist head injury risk under tangential impact conditions, *2013 IRCOBI Conference Proceedings - International Research Council on the Biomechanics of Injury*, pp 735-746.

[12] T. Maki, J. Kajzer, K. Mizuno, Y. Sekine, Comparative analysis of vehicle–bicyclist and vehicle–pedestrian accidents in Japan, *Accident Analysis & Prevention*, Volume 35, Issue 6, 2003, 927–940

[13] J. Ki Kim, S. P. Kim, G. F. Ulfarsson, L. A. Porrello, Bicyclist injury severities in bicycle–motor vehicle accidents, *Accident Analysis & Prevention* 39, 2, 2007, 238–251

[14] Y. Peng, Y. Chen, J. Yang, D. Otte, R. Willinger, A study of pedestrian and bicyclist exposure to head injury in passenger car collisions based on accident data and simulations, *Safety Science* 50, 9, 2012, 1749–1759

[15] F. Carollo, G. VirzìMariotti, E. Scalici - Injury Evaluation in Teenage Cyclist-Vehicle Crash by Multibody Simulation - *WSEAS Transactions on Biology and Biomedicine*, ISSN/E-ISSN: 1109-9518/2224-2902, Volume 11, 2014, Art. 26, pp. 203-217

[16] F. Carollo, G. Virzi' Mariotti, E. Scalici - Biomechanics Parameters in the Vehicle-Cyclist Crash with Accident Analysis in Palermo – *Recent Advances in mechanical Engineering, NAUN Conference ECME'14*, Firenze 22-24 November 2014, pp 139-148, ISBN: 141 978-960-474-402-2.

[17] M. van Schijndel, S. de Hair, C. Rodarius, R. Fredriksson, Cyclist kinematics in car impacts reconstructed in simulations and full scale testing with Polar dummy, *IRC-12-85 IRCOBI Conference* 2012, pp 800-812

[18] R. Fredriksson, E. Rosén, Priorities for Bicyclist Protection in Car Impacts – a Real life Study of Severe Injuries and Car Sources, *IRC-12-85 IRCOBI Conference* 2012, pp 779- 786

[19] D. T. Detweiler, R. A. Miller, Development of a sport utility front bumper system for pedestrian safety and 5 mph impact performance. *Proceedings of the 17th International Technical Conference on the Enhanced Safety of Vehicles*, Paper Number 01-S6-W-145, Amsterdam, The Netherlands, June 4-7, 2001.

[20] F. Carollo, Analisi di alcuni parametri biomeccanici nello studio d'impatto auto bici, *graduate thesis*, Palermo, 2014

[21] E. van Hassel, R. de Lange, Bicyclist safety in bicycle to car accidents: an inventory study *TNO report 06.OR.SA.031.1/RDL*, August 17, 2006.

[22] S. Mukherjee, A. Chawla, D. Mohan, M. Singh, R. Dey, Effect Of Vehicle Design On Head Injury Severity And Throw Distance Variations In Bicycle Crashes - *Proc. of TRIPP conference*, New Delhi Paper no: 07-0467

[23] O. Fanta, K. Jelen, H. Purš, Interaction between Cyclist and Car during Broadsideand Confrontation with Pedestrian Throw Formulas

Multibody Simulation -*Transactions on Transport Sciences* V. 3, N 3, pp. 99-106. DOI: 10.2478/v10158-010-0014

[24] C. K. Simms, D. P. Wood, Pedestrian risk from cars and sport utility vehicles – a comparative analytical study, *Proc. ImechE Part D J. Automobile Engineering,* Vol. 220 (8), 1085-1100 (2006)

[25] K. U. Schmitt, P. F. Niederer, M. H. Muser, F. Walz, *Trauma Biomechanics: Accidental injury in traffic and sports*, Springer London, 2007

[26] A. M. Nahum, J. W. Melvin, *Accidental Injury: Biomechanics and Prevention*, Springer, London, 2001

[27] S. Battaglia, I. Damiani, G. Virzi' Mariotti, *La bicicletta sportiva. Caratteristiche geometriche ed inerziali. Simulazione dinamica*, ISBN 88-548-0801-6, Aracne, Roma, 2006.

[28] F. Giannitrapani, G. Virzi' Mariotti, Dynamic Analysis of Motorcycle Behaviour on the Road with Steering Plate Structural Optimisation, *EAEC Conference*, Belgrade, 30th May – 1th June 2005

[29] A. Şoica, S. Lache, Theoretical and Experimental Approaches to Motor Vehicle–Pedestrian Collision, *3rd WSEAS International Conference on Applied and Theoretical Mechanics*, Spain, December 14-16, 2007, pp 263-268

[30] M. D. Iozsa, D. A. Micu, S. Cornelia, I. A. Ionuț, *Analytical Estimation of the Hood Behaviour during an Impact with a Pedestrian Head*, Recent Advances in Civil Engineering and Mechanics, ISBN: 978-960-474-403-9, pp 195-198

[31] J. Yang, J. Yao, D. Otte, *Correlation of Different Impact Conditions to the Injury Severity of Pedestrians in Real World Accidents* - NHTSA, Washington, USA, paper number 05-0352

[32] J. Kovanda, H. Kovandová, R. Ságl, Vehicle-pedestrian collision, simulation in SIMPACK - *User meeting 2001. Bad Ischl, Rakousko, 2001*

[33] J. Svoboda, Z. Šolc, Pedestrian protection-Pedestrian in collision with personal car – *Czech Technical University in Prague, Faculty of Mechanical Engineering, Department of Automotive and Aerospace Engineering, Technická 4, 16607, Praha 6, Czech Republic*

[34] Tae-Hoon Lee, Gun-Ha Yoon, and Seung-Bok Choi, A Shock Mitigation of Pedestrian-Vehicle Impact Using Active Hood Lift System: Deploying Time Investigation, *Shock and Vibration,* Vol. 2016, Article ID 7589598,17 pages, http://dx.doi.org/10.1155/2016/7589598

[35] Tae-Hoon Lee, Gun-Ha Yoon, Seung-Bok Choi, Deploying time investigation of automotive active hood lift mechanism with different design parameters of hinge part, *Advances in Mechanical Engineering,*April 2016 vol. 8 no. 4doi: 10.1177/1687814016645441

[36] F. Carollo, G. Virzì Mariotti, V. Naso - Biomechanics Parameters in Teenage Cyclist – SUV Accident andComparison with the Pedestrian – *WSEAS-NAUN conference OTENG'15*, Rome, 7-9 Novembre 2015; Applied Mathematics and Materials, Pag. 77-87, ISBN 978-1-61804-347-4; ISSN: 2227-4588.

[37] F. Carollo, G. Virzì Mariotti, V. Naso - HIC Evaluation in Teenage Cyclist – SUV Accident – *Recent Researches in Mechanical and Transportation Systems, NAUN Conference ICAT'15*, Salerno, Italy, June 27-29, 2015, pp. 252-259, ISBN 978-1-61804-316-0.

[38] F. Carollo, G. Virzì Mariotti, E. Scalici, Valutazione delle lesioni nell'impatto ciclista adolescente - veicolo con simulazione multibody, *Scienze e Ricerche*, n. 24, 1 marzo 2016, pp. 75-88