

Prof. Ing. Francesco Bella

PUBLICATIONS
(since 2005)

Rome
April 2018

PUBBLICAZIONI (dal 2005)International Journals (peer reviewed papers)

1. David Llopis-Castelló, Francesco Bella, Francisco Javier Camacho-Torregrosa, Alfredo García. Time-based calibration of the inertial operating speed to develop a new global consistency model. *Transportation Research Record: Journal of the Transportation Research Board*, 2018, Washington, D.C (In press) I.F.₂₀₁₆ = 0.592
<http://hdl.handle.net/11590/328704>
2. D. LLOPIS –CASTELLO, F. BELLA, F. J. CAMACHO-TORREGROSA, A. GARCIA. New consistency model based on inertial operating speed profiles for road safety. *Journal of Transportation Engineering, Part A: Systems*. Vol. 144, Issue 4 (April 2018). ASCE Editor. I.F.₂₀₁₆ = 0.962
DOI: 10.1061/JTEPBS.0000126.
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3. A. CALVI, F. BELLA, F. D’AMICO. Evaluating the effects of the number of exit lanes on the diverging driver performance. Special issue “Driving Simulation Experiments and Behavior Analysis” of the *Journal of Transportation Safety & Security*. Volume 10, Issue 1-2, 4 March 2018, Pages 105-123. Taylor & Francis ed. Published online: 12 Jul 2016. I.F.₂₀₁₆ = 0.465
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4. F. BELLA, M. SILVESTRI. Driver-cyclist interaction under different bicycle crossroad configurations. *Advances in Human Aspects of Transportation, Advances in Intelligent Systems and Computing* vol. 597, pp 855 – 866. Springer International Publishing.
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5. F. BELLA, M. SILVESTRI. Drivers’ Behavior at Bicycle Crossroads. *Advanced Concepts, Methodologies and Technologies for Transportation and Logistics, Advances in Intelligent Systems and Computing* vol. 572, Pages 355-369,
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6. F. BELLA, V. NATALE, M. SILVESTRI. Driver-pedestrian interaction under different road environments. *Transportation Research Procedia*. Volume 27, 2017, Pages 148-155.
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7. F. BELLA, M. SILVESTRI. Effects of directional auditory and visual warnings at intersections on reaction times and speed reduction times. *Transportation Research Part F: Psychology and Behaviour*. Vol. 51, 2017, pp. 88–102. I.F.₂₀₁₆ = 1.830
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8. F. BELLA, M. SILVESTRI. Interaction driver–bicyclist on rural roads: Effects of cross-sections and road geometric elements. *Accident Analysis and Prevention*. Volume 102, 1 May 2017, Pages 191-201. I.F.₂₀₁₆ = 2.685
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9. M. SILVESTRI, F. BELLA. Effects of Intersection Collision Warning Systems and Traffic Calming Measures on Driver’s Behavior at Intersections. In *Advances in Human Aspects of Transportation. Series Advances in Intelligent Systems and Computing - ISSN:2194-5357* vol. 484, pp 773-786. 2017. Springer International Publishing.
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12. F. BELLA, M. SILVESTRI. “Effects of safety measures on driver's speed behavior at pedestrian crossings”. *Accident analysis and prevention* 08/2015; 83:111-124. DOI:10.1016/j.aap.2015.07.016
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18. F. BELLA, A. CALVI. F. D'AMICO. “Predictive Speed Models for Two-Lane Rural Roads Using GPS Equipment” *International Journal of Mobile Network Design and Innovation.*, 2014 Vol.5, No.4, pp.187 – 194. DOI: 10.1504/IJMNDI.2014.067177
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International Conference Proceedings (peer reviewed papers)

1. F. BELLA, V. NATALE, M. SILVESTRI, F. NOBILI. Drivers’ Behavior in Pedestrian Detection: Effects of Road Types. Accepted for 9th International Conference on Applied Human Factors and Ergonomics (AHFE 2018) and its affiliated conferences. Orlando, Florida, USA, July 22-26, 2018
2. F. BELLA, V. BORRELLI, M. SILVESTRI, F. NOBILI. Effects on Driver’s Behavior of Illegal Pedestrian Crossings. Accepted for 9th International Conference on Applied Human Factors and Ergonomics (AHFE 2018) and its affiliated conferences. Orlando, Florida, USA, July 22-26, 2018.
3. D. LLOPIS-CASTELLO, F. BELLA, F. J. CAMACHO-TORREGROSA, A. GARCIA. Time-based calibration of the inertial operating speed to develop a new global consistency model. In Proceedings of TRB 97th Annual Meeting, January 2018, Washington, D.C.
4. F. BELLA, M. SILVESTRI. Effects of countermeasures on drivers’ behavior at bicycle crossroads: a driving simulator study. RSS2017 – Road Safety & Simulation International Conference. 17 - 19 Oct. 2017. The Hague, NL.
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5. F. BELLA, V. NATALE, M. SILVESTRI. Driver-pedestrian interaction under different road environments. 20th EURO Working Group on Transportation Meeting, EWGT 2017, 4-6 September 2017, Budapest, Hungary
6. F. BELLA, M. SILVESTRI. Driver-cyclist interaction under different bicycle crossroad configurations. 8th International Conference on Applied Human Factors and Ergonomics (AHFE 2017). Affiliated Conference: 5th International Conference on Human Factors in Transportation. Los Angeles; United States; 17 July 2017 through 21 July 2017
7. P. BIFANO, F. BELLA, N. BASILIO, V. CAVALLO, J. AUBERLET. Impact of day , dusk and night conditions on pedestrian’s decision to cross the street. Proceedings of TRB 96th Annual Meeting, January 8-12, 2017, Washington, D.C
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 10. A. CALVI, F. BELLA, .F. D'AMICO. Effects of the number of exit lanes on the driving performance of drivers who diverge from highway. Paper for RSS2015. Road Safety & Simulation International Conference RSS2015 October 6-8, 2015 Orlando, Florida, USA
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 36. F. BELLA, S. CAFISO, P. PERCO “Overview of Italian policy for High Speed Freeways” International Roundtable Discussion on Very High Design Speeds. 85th Annual Meeting Transportation Research Board. Washington, January 2006
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