

Alfonso Montella

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Curriculum Vitae

February 15, 2013

A handwritten signature in dark ink, reading "Alfonso Montella". The signature is written in a cursive style with a large, stylized 'A' and 'M'.

1. Career and education

Assistant Professor at University of Naples Federico II – Department of Transportation Engineering “Luigi Tocchetti”. February, 2002.

Road Safety Audit Training, “Road Safety Audit Workshop”, Kansas State University - Department of Civil Engineering, Topeka, Kansas, USA. March, 2000.

Ph.D. in Transportation Engineering at University of Rome “La Sapienza”. Thesis title “A model for the selection of the road restraint systems”. January, 2000.

Road Safety Audit Training, “Introduction to Road Safety Audit”, IHIE Approved CPD, TMS Consultancy, Coventry, UK. November, 1999.

Professional Engineer (P.Eng.), Association of Professional Engineers of Province of Naples. September, 1995.

M.Sc. in Civil Engineering, with votes 110/110 cum laude, at University of Naples Federico II. March, 1995.

2. Institutional activities

Member of the Committee of the Department of Civil, Architectural and Environmental Engineering – University of Naples Federico II, since 2013.

Supervisor for reorganization of educational programs of the Department of Civil, Architectural and Environmental Engineering – University of Naples Federico II, since 2013. Bachelor educational programs are Civil Engineering, Engineering for Management of Projects and Infrastructures, Engineering for Environment and Landscape, and Building Engineering. Master educational programs are Engineering of Hydraulic and Transportation Systems, Building Engineering, and Engineering for Environment and Landscape.

Quality assurance of educational programs of the Department of Civil, Architectural and Environmental Engineering – University of Naples Federico II, since 2013.

Member of the Italian National Council of University as delegate of Civil Engineering and Architecture Area, 2007-2013:

- a) Member of the Committee Politics for Assessment, Quality and Internationalization of Research, from 2012 until 2013;
- b) Chair of the Committee Civil Engineering and Architecture, from 2011 until 2013;
- c) Member of the Committee Politics for Assessment, Quality and Internationalization of Education, from 2011 until 2012;
- d) Secretary of the Committee International Relationships, from 2009 until 2011;
- e) Member of the Committee Education, from 2007 until 2009.

Member of the Didactics Committee of the School of Engineering of University of Naples Federico II for the Bachelor’s program in Civil Engineering and for the Master’s programs in

Transportation and Hydraulics Systems and in Structural and Geotechnical Engineering, since 2011.

Member of the Committee of the Department of Transportation Engineering "Luigi Tocchetti" University of Naples Federico II, from 2011 until 2013.

Member of the Committee International Relationships of the Conference of the Deans of the Schools of Engineering, since 2009.

Member of the Technical Board of the Ministry of Education, University and Research for the definition of criteria for admission to University courses planned at national level, since 2009.

Representative of assistant professors in the Faculty Council, School of Engineering, University of Naples Federico II, since 2008.

Member of the Committee Traineeship in Civil Engineering, School of Engineering, University of Naples Federico II, from 2006 until 2010.

3. Collaborations with scientific associations and journals

Guest editor for the journal Accident Analysis & Prevention, Special Issue "Emerging Research Methods and Their Application to Road Safety" (2011-2012).

Member of the Committee ANB20 Safety Data, Analysis and Evaluation of the Transportation Research Board of the National Academies, since 2008, where he performs also the following roles:

- Chair of the Subcommittee Synthesis on ANB20 safety related papers, since 2010;
- Paper Review Coordinator, since 2010.

Member of the Committee ANB10 Transportation Safety Management of the Transportation Research Board of the National Academies, since 2013.

Reviewer for the journals:

- *Accident Analysis & Prevention* (Social Science Journal of Citation Report; Subject Category = Transportation; Impact Factor 2011 = 2,867; Rank = 6/24), since 2011;
- *Advances in Transportation Studies* (Scopus, Subject Area = Social Sciences: Transportation, SJR 2011 = 0.181), since 2011;
- *Canadian Journal of Civil Engineering* (Science Journal of Citation Report; Subject Category = Engineering, Civil; Impact Factor 2011 = 0,334; Rank = 94/118), since 2008;
- *Engineering Optimization* (Science Journal of Citation Report; Subject Category = Engineering, Multidisciplinary; Impact Factor 2011 = 0,936; Rank = 35/90), since 2012;
- *European Transport Research Review: an Open Access Journal*, since 2012;

- *Industrial Health* (Science Journal of Citation Report; Subject Category = Environmental Sciences; Impact Factor 2011 = 0,940; Rank = 155/205), since 2011;
- *International Journal of Technology*, since 2012;
- *Journal of Transportation Engineering* American Society of Civil Engineering (Science Journal of Citation Report; Subject Category = Engineering, Civil; Impact Factor 2011 = 0,620; Rank = 66/118), since 2010;
- *Journal of Transportation Safety & Security* (indexed in Scopus), since 2013;
- *Safety Science* (Science Journal of Citation Report; Subject Category = Engineering, Industrial; Impact Factor 2011 = 1,402; Rank = 14/43), since 2011;
- *Traffic Injury Prevention* (Social Science Journal of Citation Report; Subject Category = Transportation; Impact Factor 2011 = 1,079; Rank = 13/24)
- *Transportation Research Part E, Logistics and Transportation Review* (Science Journal of Citation Report; Subject Category = Transportation Science & Technology; Impact Factor 2011 = 1,648; Rank = 8/28), since 2012;
- *Transportation Research Record - Journal of the Transportation Research Record* (Science Journal of Citation Report; Subject Category = Transportation Science & Technology; Impact Factor 2011 = 0,471; Rank = 21/28), Committees AFB10 Geometric Design, ANB10 Transportation Safety Management, ANB20 Safety Data, Analysis and Evaluation, ANB75T Roundabouts e ANF10 Pedestrians, since 2008.

Reviewer for the publisher John Wiley & Sons Ltd, since 2011.

Reviewer for the conferences:

- 4th International Conference on Road Safety and Simulation, Rome, Italy, October 22-25, 2013;
- 92nd Transportation Research Board Annual Meeting, Washington, D.C., USA, January 13-17, 2013;
- 91st Transportation Research Board Annual Meeting, Washington, D.C., USA, January 22-26, 2012;
- 3rd International Conference on Road Safety and Simulation, Indianapolis, USA, September 12-14, 2011;
- 3rd Transportation Research Board International Conference on Roundabouts, Carmel, USA, May 18-20, 2011;
- 90th Transportation Research Board Annual Meeting, Washington, D.C., USA, January 23-27, 2011;
- 4th Transportation Research Board International Symposium on Highway Geometric Design, Valencia, Spagna, June 1-5, 2010;
- 89th Transportation Research Board Annual Meeting, Washington, D.C., USA, January 10-14, 2010;
- 88th Transportation Research Board Annual Meeting, Washington, D.C., USA, January 11-15, 2009;
- 87th Transportation Research Board Annual Meeting, Washington, D.C., USA, January 13-17, 2008;
- 86th Transportation Research Board Annual Meeting, Washington, D.C., USA, January 21-25, 2007;
- International SIIV Congress New Technologies and Modeling Tools for Roads: Applications to Design and Management, Firenze, October 27-29, 2004.

Chair at the conferences:

- 91st TRB Annual Meeting, Washington, D.C., USA, January 22-26, 2012. Session 536 Safety: Performance, Screening, and Contributing Factors.
- 91st TRB Annual Meeting, Washington, D.C., USA, January 22-26, 2012. Session 537 Safety Performance of High-Speed Facilities.
- 3rd International Conference on Road Safety and Simulation, Indianapolis, USA, September 12-14, 2011, Session Safety Evaluation with Surrogate Measures II.
- 88th TRB Annual Meeting, Washington, D.C., USA, January 10-14, 2010. Session 568 Road Safety Modeling.
- Safety On Roads: an International Conference, Bahrain, 26-28 ottobre 1998. Chair of the second day.

Member of the Organizing Committee at the conference:

- XI International Scientific Conference Progressive technologies in transport and social systems, Orenburg State University, Russian Federation, April 24-26, 2013.

Member of the Scientific Committee at the conference:

- 4th TRB International Symposium on Highway Geometric Design, Valencia, Spain, June 1-5, 2010.

Member of the Italian Society of Highway Infrastructures, since 2001, where he performs also the following roles:

- Delegate of the Department of Transportation Engineering "Luigi Tocchetti" of the University of Naples Federico II;
- Member of the Working Group European Directive on Road Safety;
- Member of the Working Group delegated to the international literature review for the Journal Strade & Autostrade (until 2008);
- Member of the Web Site Committee (2006-2008);
- Member of the Education Committee (2006-2008).

4. Teaching activities

TEMPUS IV – Project n. 516888 – HDMCuRF Highway Design and Management: Curricular Reform for Russian Federation Design and Implementation of Higher Education Master Courses in Russia

- Design of course contents;
- Design of the review process for the teaching material;
- In December 2012, he has given lectures at National Technical University of Athens to 9 teachers from the following Russian Federation Universities: (a) Moscow State Automobile and Road University, Mosca; (b) Altai State Technical University named after I.I. Polzunov, Barnaul; (c) Orenburg State University, Orenburg. Lectures were:
 1. Module 5.7 Road restraint systems;
 2. Module 9.6 Network screening;
 3. Module 9.7 Diagnosis;
 4. Module 9.8 Selection of countermeasures;

5. Module 9.9 Economic appraisal and prioritization;
 6. Module 9.10.3 Road safety inspections.
- In June 2012, he has given lectures at University of Naples Federico II to 9 teachers from the following Russian Federation Universities: (a) Moscow State Automobile and Road University, Mosca; (b) Altai State Technical University named after I.I. Polzunov, Barnaul; (c) Orenburg State University, Orenburg. Lectures were:
 1. Module 1.8 Roundabouts;
 2. Module 5.6 Signs, markings, and lighting.

University of Naples Federico II

Department of Civil Engineering of University of Granada

- Ph.D. in Safety, Quality and Optimization of Resources in the Infrastructures in relation to the Environment. Since 2012, he is advisor of Griselda López Maldonado, research title "Crash severity modelling by data mining techniques".

Ph.D. in Transportation, Territorials and Hydraulics Systems

- Since 2011, he is advisor of Lella Liana Imbriani, research title "Quantitative methods for the road infrastructures safety management ", XXVI cycle.
- From 2007 until 2010, he was advisor of Filomena Mauriello, thesis title "Perceptual measures for improving highway safety: experimentation with the VERA driving simulator", XXIII cycle.
- In 2011, he was external reviewer of Laura Mancini, thesis title "Applicative-Theoretical study of the deterioration of the airport surface characteristics: regularity," XXIV cycle.
- In 2008, he was external reviewer of Francesco Galante, thesis title "Analysis of traffic safety solutions by driving simulator", XXI cycle.

Master Course in Transportation and Hydraulics Systems

Since the academic year 2011/2012, he teaches "Highway Safety".

Bachelor Course in Civil Engineering

- From the academic year 2006/2007 until the academic year 2009/2010, he taught "Highway Junctions".
- From the academic year 2003/2004 until the academic year 2005/2006, he taught "Highway Construction".
- Since 2004, he chairs the commission for verification of First Level English Language competences.

Bachelor Courses in Engineering for Environment and Landscape and in Engineering for Management of Projects and Infrastructures

- Since 2008, he chairs the commission for verification of First Level English Language competences.

Diploma Course in Engineering for Infrastructure

- In the academic year 2002/2003, he taught "Construction of Highways, Railways, and Airports."

- In the academic year 2001/2002, he taught "Technology of Highways, Railways, and Airports Construction".
- In the academic year 2000/2001, he taught "Highway Design".

He was the coordinator of BEST (Board of European Students of Technology) Summer Course 2006 "On the move? Do it safely", September 2006.

He was advisor of several master's and bachelor's theses. Since, 2002 was advisor of 105 theses (10 in 2002, 12 in 2003, eight in 2004, eight in 2005, 12 in 2006, 11 in 2007, 11 in 2008, 15 in 2009, 8 in 2010, 17 in 2011).

From 1998 until 2003, as part of the course "Highway Design", he held seminars on design criteria and supervised students in computer-aided highway design.

From 1995 until 2000, he supervised students of the courses "Technology of Highways, Railways, and Airports Construction" and "Quarries and Plants for Infrastructures".

Other teaching activities

In 2011, he was member of the Board for the final examination of the Ph.D. in "Highways and Transportation Systems, Land and Technological Innovation", XXIII cycle, Polytechnic of Bari.

In 2009, at the Consortium for Research and Continuing Education, he attended the Round Table "Applications of Road Safety Inspecting", teaching "Highway Safety Inspections".

In 2008, at the University of Cassino, he held the seminar "Road Safety Audit".

In 2008, at the University of Catania, he taught "Signs and safety" under the project "Road: updating of personnel of public administrations in terms of design, management and upgrading of the road network. "

In 2005, at the University of Catania, he was member of the Board for admission to the Ph.D. in "Engineering of Highway Infrastructures", XX cycle.

In 2005, at the Institute G. Buonarroti in Caserta, he taught "Highway Safety Models".

From 2004 until 2005, within the P.O.N. "Scientific Research, Technological Development and Higher Education 2000/2006", he was responsible for the teaching activities of the Department of Transportation Engineering "Luigi Tocchetti" in the framework of the course "Training of researchers industrial experts in the safety of road and rail infrastructure".

From 2004 until 2005, within the P.O.N. "Scientific Research, Technological Development and Higher Education 2000/2006 - course Training of researchers industrial experts in the safety of road and rail infrastructure", he taught "Highway safety management".

In 2004, at the University of Catania, held the seminar (8 hours) "Road Safety Audits and Inspections", as part of the Ph.D. "Engineering of Highway Infrastructures".

Within the P.O.N. "Scientific Research, Technological Development and Higher Education 2000/2006" - Master of Engineering in Road Safety at the CERISDI - Centre for Research and Studies directional, he taught "Highway safety management and design of countermeasures".

5. Research projects

EU Projects

Since 2011, he chairs the EU TEMPUS Project IV "HDMCuRF . Highway Design and Management: Curricular Reform for Russian Federation – Design and Implementation of Higher Education Master Courses in Russia".

The project, financed by the Education, Audiovisual and Culture Executive Agency (EACEA) of the European Commission, aims to design, develop and implement a new curriculum programme in highway design and maintenance, with modules on highway safety and intelligent transportation systems, in a joint effort between Russian and European universities in line with the Bologna process. Project partners are: (1) University of Naples Federico II, Naples, Italy; (2) Moscow State Automobile and Road University, Moscow, Russian Federation; (3) Altai State Technical University named after Il Polzunov, Barnaul, Russian Federation; (4) Orenburg State University, Orenburg, Russian Federation; (5) International Association for Automotive and Road Engineering Education, Moscow, Russian Federation; (6) National Technical University of Athens, Athens, Greece; (7) The Royal Institute of Technology, Stockholm, Sweden; and (8) FORMIT Foundation, Rome, Italy.

From 2004 until 2007, he worked with the Department of Civil and Environmental Engineering, University of Catania in the research project EU DG TREN Project - 03 – ST – S07.31286 Identification of Hazard Location and Ranking of Measures to Improve Safety on Local Rural Roads (IASP).

Within the project theoretical models and operating procedures for the road safety analysis and for the choice of adjustment treatments of two-lane local rural roads were defined.

International Projects

New Zealand Automobile Association Research Foundation, "Actual and Perceived Risk and Effects on Driver Behaviour", since 2012. Advisor of Beca Infrastructure Ltd, providing insight into how results relate to equivalent studies internationally.

P.R. I.N. Projects (Programs of Relevant National Interest)

From 2010 until 2012, he participated to the PRIN 2008 "Assessment of the behavior of the driver with the diagram of the speed and modeling of the effects on accidents".

The research has achieved the following objectives: (1) calibration and validation of operating speeds predictive models in the segments; (2) calibration and validation of operating speeds predictive models in the intersections; (3) definition of safety

performance functions with explanatory variables related to the design consistency; and (4) proposal for a revision of the Italian geometric design standards.

From 2006 until 2008, he participated to the PRIN 2006 "Evaluation of road users behaviour at urban gateways by advanced technologies".

The research aimed to evaluate user's behaviour in the transition from the suburban to the urban area in the presence and absence of traffic calming devices and to define criteria for the design of the gateways, or the devices designed to reduce speeds in the transition from the suburban to the urban area. The research consisted in: (1) crash analysis to characterize the problem and define the most appropriate countermeasures; (2) selection of experimental sites; (3) design of two alternative solutions for gateways; (4) design of the virtual environment experiments; (5) statistical analysis of the results; and (6) evaluation of the treatments effectiveness.

From 2001 until 2003, he participated to the PRIN 2000 "Effect of pavement maintenance on highway safety".

The research program aimed to provide a knowledge base to improve highway safety associated with maintenance activities. The research activity consisted both in supporting the National Coordinator for the research project management and in analyzing the effects of pavement maintenance on the characteristics of workzones and in the definition of safety criteria for the road restraint systems in the workzones.

P.O.N. Projects (National Operational Programs)

Since 2011, he participates in the project "DRIVEIN² – Driver monitoring: technologies, methodologies, and in-vehicle innovative systems for a safe and eco-compatible driving."

The research project, funded by the PON "Scientific Research, Technological Development and Higher Education 2007/2013", aims at defining methodologies, technologies, and advanced and innovative systems on the interaction between the driver and the vehicle (Advanced Driver Assistance Systems - ADAS) in order to prevent road crashes and reduce the emissions of polluting agents.

In the period 2002 - 2007, he participated in the research project "Robot system for fire extinction and environmental monitoring in road and railway tunnels".

The research project, funded by the PON "Scientific Research, Technological Development and Higher Education 2000/2006," was aimed at building a robot system for fire extinction and environmental monitoring in road and railway tunnels. The research involved crash analysis and the construction and analysis of a database of the tunnels safety systems.

Ministry of Instruction, University and Research Projects

Since 2009, he participates in the research project MIUR 23175 TEST x Transport "Laboratory Public - Private development of technologies for the realization of new materials and design methods for the railway sector and medium-size carriers."

From 2007 until 2008, he participated in the research project MIUR n.1071 "Innovative methodologies for assessing economic and technical assistance on road

safety." The research consisted in identifying the variables to parameterize the safety measure costs.

Ministry of Public Works - General Inspectorate for Traffic and Road Safety projects

In 2000, he participated in the research project "Study for Road safety audit guidelines".

In 2000, he participated in the research project "Definition of main research topics for road safety improvement in the short, medium and long term".

In 2000, with the Department of Computer Science, Mathematics, Electronics and Transportation of University of Reggio Calabria, he participated in the research project "Guidelines for urban road safety plans".

National Research Council Projects

In 2001, he participated in the research project "Training plan for highway safety improvement".

In 1997, he participated in the research project "Comparative analysis of geometric design Italian and European standards".

Campania Region Projects

Since 2010, he is coordinator of the "Highway Safety Laboratory" of the Transportation Center of Competence of Campania Region (in the framework of the consortium TEST-Technology for Environment and Safety in Transport).

From 2001 until 2002, he participated in the research project "Study of the survey procedures for safety, geometric, and traffic characteristics of the Campania road network".

Departmental Projects

Since 2011, he is coordinator of the research project "Transportation Infrastructures Safety Laboratory." The project, funded by the Department of Transportation Engineering of University of Naples Federico II, consists in 8 tasks: (a) crash data analysis by data mining techniques; (b) design of innovative safety measures; (c) drivers' behaviour study by real-world monitoring; (d) drivers' behaviour study by instrumented vehicle experiments; (e) drivers' behaviour study by driving simulator experiments; (f) surrogate measures of safety; (g) safety management systems; and (h) railway safety analysis.

6. Publications

Web of Science Journals

WoS1. Montella A., Andreassen D., Tarko A., Turner S., Mauriello F., Imbriani L. L., Romero M. (2013). *Crash Databases in Australasia, European Union, and United States:*

- Review and Prospects for Improvement*. Transportation Research Record: Journal of Transportation Research Board, in press.
- WoS2.** Montella A., Mauriello F. (2012). *A Ranking Procedure of Unsignalised Rural Intersections*. Transportation Research Record: Journal of Transportation Research Board, No. 2318, Transportation Research Board of the National Academies, Washington, D.C.
- WoS3.** Montella A., Persaud B., D'Apuzzo M., Imbriani L. L. (2012). *Safety Evaluation of an Automated Section Speed Enforcement System*. Transportation Research Record: Journal of Transportation Research Board, No. 2281, Transportation Research Board of the National Academies, Washington, D.C., pp. 16-25.
- WoS4.** Montella A., Aria M., D'Ambrosio A., Mauriello F. (2012). *Analysis of powered two-wheeler crashes in Italy by classification trees and rules discovery*. Accident Analysis and Prevention, Vol. 49, pp. 58-72.
- WoS5.** Montella A., Andreassen D., Tarko A., Turner S., Mauriello F., Imbriani L. L., Singh R. (2012). Critical Review of the International Crash Databases and Proposals for Improvement of the Italian National Database. Procedia - Social and Behavioral Sciences, Vol. 53, pp. 49-61. Doi:10.1016/j.sbspro.2012.09.859, WoS Accession Number: 000312560400006, www.sciencedirect.com/science/article/pii/S1877042812043212.
- WoS6.** Montella A., Turner S., Chiaradonna S., Aldridge D. (2012). Proposals for Improvement of the Italian Roundabout Geometric Design Standard. Procedia - Social and Behavioral Sciences, Vol. 53, pp. 189-202. Doi:10.1016/j.sbspro.2012.09.872, WoS Accession Number: 000312560400019, www.sciencedirect.com/science/article/pii/S1877042812043340.
- WoS7.** Montella A., Aria M., D'Ambrosio A., Galante F., Mauriello F., Perneti M. (2011). *Simulator evaluation of drivers' speed, deceleration and lateral position at rural intersections in relation to different perceptual cues*. Accident Analysis and Prevention, Vol. 43(6), pp. 2072-2084.
- WoS8.** Montella A. (2011). *Identifying crash contributory factors at urban roundabouts and using association rules to explore their relationships to different crash types*. Accident Analysis and Prevention, Vol. 43(4), pp. 1451-1463.
- WoS9.** Montella A., Aria M., D'Ambrosio A., Mauriello F. (2011). *Data Mining Techniques for Exploratory Analysis of Pedestrian Crashes*. Transportation Research Record: Journal of Transportation Research Board, No. 2237, Transportation Research Board of the National Academies, Washington, D.C., pp. 107-116.
- WoS10.** Cafiso S., La Cava G., Montella A. (2011). *Safety Inspections as a Supporting Tool for Safety Management of Low-Volume Roads*. Transportation Research Record: Journal of Transportation Research Board, No. 2203, Transportation Research Board

of the National Academies, Washington, D.C., pp. 116-125.

- WoS11.** Montella A., Aria M., D'Ambrosio A., Galante F., Mauriello F., Perneti M. (2010). *Perceptual Measures to Influence Operating Speeds and Reduce Crashes at Rural Intersections: Driving Simulator Experiment*. Transportation Research Record: Journal of Transportation Research Board, No. 2149, Transportation Research Board of the National Academies, Washington, D.C., pp. 11-20.
- WoS12.** Galante F., Mauriello F., Montella A., Perneti M., Aria M., D'Ambrosio A. (2010). *Traffic Calming Along Rural Highways Crossing Small Urban Communities: Driving Simulator Experiment*. Accident Analysis and Prevention, Vol. 42(6), pp. 1585-1594.
- WoS13.** Montella A. (2010). *A comparative analysis of hotspot identification methods*. Accident Analysis and Prevention, Vol. 42(2), pp. 571-581.
- WoS14.** Montella A. (2009). *Safety Evaluation of Curve Delineation Improvements: Empirical Bayes Observational Before-and-After Study*. Transportation Research Record: Journal of Transportation Research Board, No. 2103, Transportation Research Board of the National Academies, Washington, D.C., pp. 69-79.
- WoS15.** Montella A., Colantuoni L., Lamberti R. (2008). *Crash Prediction Models for Rural Motorways*. Transportation Research Record: Journal of Transportation Research Board, No. 2083, Transportation Research Board of the National Academies, Washington, D.C., pp. 180-189.
- WoS16.** Cafiso S., La Cava G., Montella A. (2007). *Safety Index for Evaluation of Two-Lane Rural Highways*. Transportation Research Record: Journal of Transportation Research Board, No. 2019, Transportation Research Board of the National Academies, Washington, D.C., pp. 136-145.
- WoS17.** Montella A. (2007). *Roundabout In-Service Safety Reviews: Safety Assessment Procedure*. Transportation Research Record: Journal of Transportation Research Board, No. 2019, Transportation Research Board of the National Academies, Washington, D.C., pp. 40-50.
- WoS18.** Cafiso S., La Cava G., Montella A., Pappalardo G. (2006). *A Procedure to Improve Safety Inspections Effectiveness and Reliability on Rural Two-Lane Highways*. The Baltic Journal of Road and Bridge Engineering, Vol. 1(3), pp. 143-150.
- WoS19.** Montella A. (2005). *Safety Reviews of Existing Roads: Quantitative Safety Assessment Methodology*. Transportation Research Record: Journal of Transportation Research Board, No. 1922, Transportation Research Board of the National Academies, Washington, D.C., pp. 62-72.
- WoS20.** Montella A. (2001). *Selection of Roadside Safety Barriers Containment Level According to European Union Standards*. Transportation Research Record: Journal of Transportation Research Board, No. 1743, Transportation Research Board of the National Academies, Washington, D.C., pp. 104-110.

- WoS21.** Montella A., Perneti M. (1999). *Heavy-Goods Vehicle Collisions with Steel Road Safety Barriers: Combined Influences of Position of Center of Mass and Tire-Pavement Friction*. Transportation Research Record: Journal of Transportation Research Board, No. 1690, Transportation Research Board of the National Academies, Washington, D.C., pp. 84-94.

Other International Journals

- RI1.** Montella A., Ciotola G. (2002). *A Big Bowl of Concerns: Italy Looking to Curb Work-Zone Accidents with Audits*. Roads & Bridges, Vol. 40(7), pp. 46-48.

Refereed Proceedings of International Conferences

- CI 1.** Montella A., Turner S., Chiaradonna S., Aldridge D. (2013). Roundabout Design Practices: International Overview and Insights to Update the Italian Standard. 92nd Transportation Research Board Annual Meeting, Washington, D.C., USA, paper 13-2129.
- CI 2.** Montella A., Punzo V., Montanino M., 2012. *Analysis of Drivers' Compliance to Speed Limits Enforced with an Automated Section Speed Enforcement System*. 91st Transportation Research Board Annual Meeting, Washington, D.C., USA, paper 12-0228.
- CI 3.** Montella A., Mauriello F., 2011. *Drivers' Speed Behaviour at Rural Intersections: Simulator Experiment and Real World Monitoring*. 3rd International Conference on Road Safety and Simulation, Indianapolis, USA.
- CI 4.** Grossi R., de Riso V., Montella A., 2011. *A Decision Supporting System for Highway Safety Management*. 3rd International Conference on Road Safety and Simulation, Indianapolis, USA.
- CI 5.** Montella A., Punzo V., Montanino M., 2011. *Design and Evaluation of Speed Limits for an Automated Section Speed Control System*. 90th Transportation Research Board Annual Meeting, Washington, D.C., USA.
- CI 6.** Montella A., Aria M., D'Ambrosio A., Mauriello F., 2011. *Classification Trees and Association Rules for Exploratory Analysis of Powered Two-Wheeler Crashes*. 90th Transportation Research Board Annual Meeting, Washington, D.C., USA.
- CI 7.** Montella A., Perneti M., 2010. *In-depth Investigation of Run-off-the-Road Crashes on the Motorway Naples-Candela*. 4th TRB International Symposium on Highway Geometric Design, Valencia, Spain.
- CI 8.** Montella A., Mauriello F., 2010. *Pedestrian Crosswalks Safety Inspections: Safety Assessment Procedure*. 4th TRB International Symposium on Highway Geometric Design, Valencia, Spain.

- CI 9.** Montella A., 2010. *Analysis of Crash Contributory Factors at Urban Roundabouts*. 89th Transportation Research Board Annual Meeting, Washington, D.C., USA.
- CI 10.** Lamberti R., Abate D., De Guglielmo M.L., Dell'Acqua G., Esposito T., Galante F., Mauriello F., Montella A., Perneti M., 2009. *Perceptual Measures and Physical Devices for Traffic Calming Along a Rural Highway Crossing a Small Urban Community: Speed Behavior Evaluation in a Driving Simulator*. 88th Transportation Research Board Annual Meeting, Washington, D.C., USA.
- CI 11.** Lamberti R., Montella A., Valentino G., 2009. *Global Quality Index for Road Networks Performance Evaluation*. 88th Transportation Research Board Annual Meeting, , Washington, D.C., USA.
- CI 12.** Cafiso S., La Cava G., Montella A., 2007. *Safety Evaluation Process for Two-Lane Rural Highways*. 4th International SIIV Congress Advances in Transport Infrastructures and Stakeholders Expectations, Palermo.
- CI 13.** Chiarello G., Culatti M., Lamberti R., Montella A., Siviero E., 2007. *Architectural-Quality Assessment Strategies for an Environmentally Sustainable Road Design*. 4th International SIIV Congress Advances in Transport Infrastructures and Stakeholders Expectations, Palermo.
- CI 14.** Cafiso S., La Cava G., Leonardi S., Montella A., Pappalardo G., 2005. *Operative Procedures for Road Safety Inspections*. Road Safety on Four Continents, Varsavia, Polonia.
- CI 15.** Proctor S., Crowley F., Montella A., 2004. *A Model for Developing Road Safety Audit Practice in Europe*. European Road Federation - 1st European Road Congress, Lisbona, Portogallo.
- CI 16.** Cafiso S., La Cava G., Montella A., Perneti M., 2004. *A Methodological Approach for the Safety Evaluation of Minor Two-Lane Rural Roads*. European Road Federation - 1st European Road Congress, Lisbona, Portogallo.
- CI 17.** Montella A., Perneti M., 2004. *Vehicle Occupant Impact Severity in Relation to Real World Impact Conditions*. 2nd International SIIV Congress New Technologies and Modeling Tools for Roads: Applications to Design and Management, Firenze.
- CI 18.** Montella A., 2004. *Potential for Safety Improvement of Existing Roads*. 2nd International SIIV Congress New Technologies and Modeling Tools for Roads: Applications to Design and Management, Firenze.
- CI 19.** Montella A., 2004. *Development of a Potential for Safety Improvement Index*. 83th Transportation Research Board Annual Meeting, Washington, D.C., USA.
- CI 20.** Montella A., 2003. *Road Safety Audit in Italy*. The Institution of Highways & Transportation - International Road Safety Audit Forum, Londra, UK.

- CI 21.** Montella A., 2003. *Assessing Potential for Safety Improvement by Safety Reviews of Existing Roads*. 82rd Transportation Research Board Annual Meeting, Washington, D.C., USA.
- CI 22.** Montella A., Proctor S., 2002. *Safety Review of the Existing Roads*. SORIC'02. Safety on Roads: An International Second Conference, Bahrain.
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