

## Lucrări publicate - Dragoș Sorin DIMA

Vehicles Frontal Impact Analysis Using Computer Simulation and Crash Test DS Dima, D Covaciu International Journal of Automotive Technology 2019;20(4): 655-661.	2019
Considerations on Using the Crash Pulse in the Vehicle-Vehicle Collision Assessment DS Dima, D Covaciu, A Chiru AMMA 2018 International Congress of Automotive and Transport Engineering, Springer, 729-736	2018
Analysis of simulated accident, example of insurance fraud in Romania DS Dima, D Covaciu, A Chiru EVU 2018 Conference, Dubrovnik, Croatia	2018
Solutions for acceleration measurement in vehicle crash tests DS Dima, D Covaciu IOP Conference Series: Materials Science and Engineering 252 (1), 012007	2017
How to manage data from video, possibilities of reconstruction, error estimation DS Dima, D Covaciu EVU 2017 Congress, Haarlem, Olanda	2017
Crash Tests Data Acquisition and Processing D Covaciu, DS Dima CONAT 2016, International Congress of Automotive and Transport Engineering, Springer, 782-789	2016
Research Regarding Pedestrian Visibility During Night-Time Using Photo Processing B Tolea, DD Trusca, C Antonya, Al Radu, DS DIMA CONAT 2016, International Congress of Automotive and Transport Engineering, Springer, 881-888	2016
Analysis of the Mid Day Temperature of the Sun Expose Side of the Car Bodywork Protective Coating in Relation with the Contact Destructures with Marine Bird Drop... AT MANEA, LC MANEA, GA RADU, DS DIMA CONAT 2016, International Congress of Automotive and Transport Engineering, Transilvania University Press	2016
The Experimental Analysis and Numerical Simulation of a Car Frame Coating Thickness-Element in a Legal Cause Settlement of an Insurance Proof LC MANEA, AT MANEA, DS DIMA CONAT 2016, International Congress of Automotive and Transport Engineering, Transilvania University Press	2016
Use of MEMS sensors for data acquisition in crash tests DS DIMA, D COVACIU EVU 2016 Congress, Bratislava, Slovacia	2016
Study on the Possibility to Estimate the Vehicle Side Slip Using Two Independent GPS Receivers D Covaciu, I Preda, DS Dima, A Chiru Applied Mechanics and Materials 822, 321-330	2016
Use of GPS/INS Devices for Experimental Study of Vehicle Dynamics D Covaciu, I Preda, DS Dima, A Chiru Proceedings of the European Automotive Congress EAEC-ESFA 2015, 337-347	2016
Predesign of automotive independent suspensions: Implementation as MDesign calculation module D Covaciu, I Preda, DS Dima, A Chiru Applied Mechanics and Materials 823, 259-264	2016
Assessment of using GPS receivers and INS devices to test the dynamic performances of vehicles DS DIMA, D COVACIU EVU 2015 Congress, Edinburgh, UK	2015
STUDY OF THE NOISE GENERATED BY A MAJOR ROAD IN A CITY D COVACIU, D FLOREA, J TIMAR, DS DIMA, A CHIRU ANNALS OF THE ORADEA UNIVERSITY	2015
Simulation Method in PC Crash using Point Cloud Files DS DIMA, D COVACIU ANNALS OF THE ORADEA UNIVERSITY	2015
Different methods to validate the speed in accidents between truck and car DS DIMA EVU 2014 Congress, Copenhagen, Danemarca	2014
VALIDATION OF SIMULATION AND OPTIMIZATION RECONSTRUCTION IN PC CRASH WITH VIDEO RECORDED SAMPLE DS DIMA, D Covaciu, A Chiru SMAT 2014 Congress, University of Craiova	2014
Study on the possibility to estimate the vehicle side slip using two independent GPS receivers D COVACIU, I PREDA, DS DIMA, A CHIRU SMAT 2014 Congress, University of Craiova	2014
Data Recording Solutions For Vehicle Testing D COVACIU, DS DIMA, I PREDA, A CHIRU SMAT 2014 Congress, University of Craiova	2014
METHOD FOR ASCERTAINING THE ROAD SLOPE WITH APPLICATION IN ACCIDENT RECONSTRUCTION DS DIMA, D COVACIU 2nd International Conference on Automotives „MOTOR VEHICLES AND TRANSPORTATION MVT 2012”, Politehnic University of Timisoara	2012
Improved Methods to Measure and Generate 3D Road Profile in Concerning with Simulation Errors DS DIMA, D Covaciu EVU 2012 Congress, Brasov, EVU GRUP ROMÂNIA	2012



Using Windows mobile GPS and accelerometers – Based application in traffic accident reconstruction N ISPAS, DS DIMA, M DOGARIU EVU 2010 Congress, Praga, Cehia	2010
EXPERIMENTAL STUDY OF THE VEHICLE-PEDESTRIAN COLLISIONS DS Dima, F RUSITORU, A SOICA, S TARULESCU CONAT 2010 Congress, Transilvania University	2010
Proposal of new versatiles devices for uses in traffic accident reconstruction N ISPAS, A SOICA, DS DIMA CONAT 2010 Congress, Transilvania University	2010
ASPECTS REGARDING THE ANALYSIS OF THE CAR GEOMETRY G TOGANEL, A SOICA, DS DIMA 12th European Automotive Congress EAEC, Bratislava	2009
Validarea metodelor de reconstituire computerizată a coliziunii autovehiculelor și evaluarea incertitudinii de măsurare – Partea a II-a D SIBIAN, B BOBOS, DS DIMA RIA nr. 12, ISSN 1842 - 4074	2009
Validarea metodelor de reconstituire computerizată a coliziunii autovehiculelor și evaluarea incertitudinii de măsurare – Partea I D SIBIAN, B BOBOS, DS DIMA RIA nr. 11, ISSN 1842 - 4074	2009
Preluarea și prelucrarea de date dinamice din probele video DS DIMA, D TRUSCA, N ISPAS, GH CIOLAN Conferința Expertilor Criminalisti, Eforie 2008	2008
Studiul experimental al impactului autovehicul pieton dacia super nova DS DIMA, A SOICA, GH CIOLAN, V ENACHE, N SEITZ, I PREDA Conferința Expertilor Criminalisti, Eforie 2008	2008
Organizarea încercărilor în vederea stabilirii vizibilității pe timp de noapte DS DIMA, V ENACHE, GH CIOLAN, N SEITZ, A PLAIASU Conferința Expertilor Criminalisti, Eforie 2007	2007
SOME NEW ASPECTS ABOUT NIGHT VISIBILITY V ENACHE, DS DIMA International Conference - MVT 2006 "Motor Vehicles & Sustainable Transportation" Timisoara, 2006	2006
ASPECTS REGARDING THE VEHICLE-PEDESTRIAN COLLISIONS F RUSITORU, A SOICA, V ENACHE, DS DIMA 4th European Academy of Forensic Science Conference Helsinki, June 13-16, 2006	2006
Cercetari experimentale privind accidentele autovehicul - biciclist DS DIMA, V ENACHE, N SEITZ Conferința Expertilor Criminalisti, Amara 2006	2006
Concepția autovehiculelor în corelație cu factorii terotehnici DS DIMA, V ENACHE ATIC 2005 Chișinău	2005
Criterii și metode de apreciere a maniabilității automobilelor V ENACHE, DS DIMA ATIC 2005 Chișinău	2005
Relația leziuni viteză în cazul accidentelor pieton autovehicul V ENACHE, GH CIOLAN, A SOICA, DS DIMA, G TOGANEL Conferința Expertilor Criminalisti, Amara 2005	2005
CERCETĂRI EXPERIMENTALE PRIVIND IMPACTUL AUTOVEHICUL PIETON DS DIMA, V ENACHE, GH CIOLAN, A SOICA, G TOGANEL Conferința Expertilor Criminalisti, Amara 2005	2005
Evaluarea diagramelor crash-testelor în vederea determinării rigidității caroseriilor R PRITZKOV, N SEITZ, GH CIOLAN, I PREDA, V ENACHE, DS DIMA Conferința Națională CETR, Călimănești 2005	2005
POSSIBILITIES TO ASSESS THE MOTOR VEHICLES HANDLING WITH THE HELP OF SUBJECTIVE CRITERIA V ENACHE, A SOICA, DS DIMA trans&Motauto+'05	2005
CONTRIBUTIONS TO THE STUDY OF VEHICLE IMPACT AND POST-IMPACT DYNAMICS I PREDA, GH CIOLAN, D COVACIU, N SEITZ, DS DIMA CAR 2005, Pitești	2005
SOME STUDIES UPON THE WEIGHT DISTRIBUTION ON LIGHT AND HEAVY CARS DS DIMA, D COVACIU CAR 2005, Pitești	2005
W2 - AUTOCAD PLUG-IN FOR CALCULATING SECTIONAL PROPERTIES D COVACIU, DS DIMA CAR 2005, Pitești	2005
BRAKING STUDY ON CARS WITH GROSS WEIGHT LESS THAN 700 KG DS DIMA, D FLOREA, POPA O, POPA H CONAT 2004 International Congress, Transilvania University of Brasov	2004
GENERATED TRAFFIC – COMPONENT OF TRANSPORT MODEL D FLOREA, A SOICA, DS DIMA The VIIIth International Conference of Automotives under the patronage of FISITA „CAR 2000”, Pitești	2000

<p>EUROPEAN STRATEGIES FOR INFLUENCING ENVIRONMENTAL ROAD TRANSPORT IMPACT</p> <p>D FLOREA, N FILIP, DS DIMA</p> <p>The VIIIth International Conference of Automotives under the patronage of FISITA „CAR 2000”, Pitesti</p>	2000
<p>Cercetări experimentale asupra consumului de combustibil al autoturismelor in traficul rutier urban</p> <p>D FLOREA, N FILIP, DS DIMA</p> <p>Buletinul Științific al celei de-a IX-a Conferințe internaționale CONAT'99 vol III, p. 183-186, 11-12 nov. 1999, Brașov</p>	1999