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Author: PhD student Eng. Horia Marcel SOTOC, Ovidiu Vasile Campian

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Motăntău Sârbu Dan - dr.ing.prof.Colegiul Tehnic Energetic "Dragomir Hurmuzescu" Deva

Stanciu Tiberiu - drd.ing. SC "Electrocentrale"S.A Mintia-Deva

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SMAT2008M27

THE ESTIMATION OF THE RESIDUAL STRESS LEVEL FROM THE WELDED COMPONENTS

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SMAT2008M28

CONSIDERATIONS LOOKING THE CALCULUS OF MULTILAYER COMPOSITE FRAMES TO THERMAL SOLICITATIONS

Gabriela Monica PANĂ

SMAT2008M29

ERROR ON THE GEOMETRICAL SHAPE OF TEETH PROFILE

Alina DUTA, Ludmila SASS

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SMAT2008M31

TEHNICI DE GRAFICA MODERNA FOLOSITE IN PROTOTIPAREA VIRTUALA

George GHERGHINA, Dragos POPA, Mihaela BOGDAN, Cristian GLUGA

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OPTIMIZATION BY LINEAR PROGRAMMING OF CERTAIN FLEXIBLE SPINAL COLUMNS UTILIZED TO POLY-ARTICULATED ROBOTS

Violeta Cristina DUMITRU, Sorin DUMITRU

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STANDPOINTS REGARDING DESIGN OF PRODUCTS USED IN THE AUTO INDUSTRY

Constantin DUMITRU, Violeta Cristina DUMITRU

SMAT2008M34

THE ENHANCEMENT OF HEAT TRANSFER PROPERTIES OF RUBBER COMPOUNDS BY THE REINFORCEMENT WITH CARBON NANOTUBES

Eden MAMUT, Camelia BROTAN

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THE DEVELOPMENT OF A NEW CLASS OF FUELS WITH COLLOIDAL DISPERSION OF SOLID FUEL NANOPARTICLES

Eden MAMUT, Luigi ALLOCCA

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THE CALCULUS OF DEFORMATION COEFFICIENTS FOR THE SOIL UNDER MACHINE MASSIVE FOUNDATIONS

prof.dr.ing. Ivona Georgescu

SMAT2008M37

EFFECT OF STIFFNESS UNCERTAINTIES ON THE AEROELASTIC STRUCTURES

Stefan C. Castravete and Raouf A. Ibrahim

SMAT2008M38

MATHEMATICA - PACKAGES FOR PLANAR KINEMATIC CHAINS

Nicolae Craciunoiu, Nicolae Dumitru, Dan B. Marghitu, Filip G. Ciolacu

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TENTACULAR ROBOT WITH APLICATIONS IN THE AUTOMOTIVE INDUSTRY

Sorin DUMITRU, Cristian COPILUSI, Violeta DUMITRU

SMAT2008M40

A TRAINING SUITE FOR IMAGE OVERLAY AND OTHER NEEDLE INSERTION TECHNIQUES

Gregory S. Fischer, Iulian Iordachita, Paweena U-Thainual, John A. Carrino, Gabor Fichtinger 1 Center for Computer Integrated Surgery, Johns Hopkins University, Baltimore, MD, USA 2 School of Computing, Queen's University, Kingston, ON, Canada 3 Department of Radiology, Johns Hopkins Hospital, Baltimore, MD, USA

SMAT2008M41

STEADY-HAND MANIPULATOR FOR RETINAL SURGERY

Iulian Iordachita, Ankur Kapoor, Ben Mitchell, Peter Kazanzides, Gregory Hager, James Handa, and Russell Taylor

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CAD-FEA DEVELOPMENT BASED ON ARX LIBRARY

Adrian ROŞCA, Ilie DUMITRU

SMAT2008R01

EFFICIENT GPS MEASURING METHODS FOR LAND COMMUNICATION ROUTES

Nicolae Băbucă Mihnea Marin

SMAT2008R02

THE INFLUENCE OF THE DIESEL URBAN TRANSPORTATION VEHICLES OVER THE CHEMICAL AND NOISE POLLUTION

Corneliu COFARU, Daniela FLOREA, Stelian TARULESCU

SMAT2008R03

URBAN AREAS CHEMICAL POLLUTION IN FUNCTION OF THE TRAFFIC FLOW SIZE AND COMPOSITION

Corneliu COFARU, Daniela FLOREA, Stelian TARULESCU, Radu TARULESCU

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USING GPS DEVICES FOR COLLECTING TRAFFIC DATA

Dinu COVACIU, Daniela FLOREA, Ion PREDA, Janos TIMAR

SMAT2008R05

ANALYSIS OF RUNNING CONDITIONS OF A HYDRAULIC HYBRID VEHICLE IN URBAN TRAFFIC CONDITIONS

eng. PhD. student Comănică Bogdan DĂNILĂ, eng. Prof. Dr. Gheorghe Alexandru RADU, eng. Prof. Dr. Horia ABĂITĂNCEI, eng. Tutor Sebastian RADU

SMAT2008R06

EQUIPMENT DESIGN FOR CONTINUOUS ROAD TRAFFIC COUNT

Nicolae FILIP, Florin SUCIU

SMAT2008R07

RESEARCH REGARDING THE VEHICLES IDENTIFICATION

Nicolae FILIP

SMAT2008R08

PIRACY IN TRANSPORTATION

Conf. dr. ing. Ioan Halaciuga, S. l. ing. Sorin Igret

SMAT2008R09

THE COUNTERACTING OF THE TERRORIST ACTIONS IN THE FIELD OF TRANSPORTATION

Conf. dr. ing. Ioan Halaciuga, S. l. ing. Sorin Igret

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ASPECTS CONCERNING THE WAY ROUNDABOUTS IMPROVE INTERSECTION SAFETY

Ariadna ILIUŢ, Janos TIMAR, Corneliu COFARU

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ANALYSIS REGARDING THE PEDESTRIAN CONFLICT WITHIN ROUNDABOUTS

Ariadna ILIUT, Janos TIMAR, Corneliu COFARU

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EMISSION'S CONTROL FOR VEHICLES

Doina MIHON, Liviu MIHON

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THE TIRES' PRINTS ON THE ROAD THAT MAY BE PROOFS DURING THE INVESTIGATION AND RECONSTRUCTION OF CAR ACCIDENTS

Alexandru PETRESCU, Marius TOMA, Stefan VOLOACA

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THE EXAMINATION OF VEHICLE INVOLVED IN TRAFFIC ACCIDENTS THE EFFECT OF THE ACCIDENT ON THE VEHICLE INTERIOR

Alexandru PETRESCU, Marius TOMA, Stefan VOLOACA

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VEHICLE DYNAMIC BEHAVIOUR ANALISYS BASED ON GPS DATA

Ion PREDA, Dinu COVACIU, Gheorghe CIOLAN, Dragos-Sorin DIMA

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THE INFLUENCE OF THE PUBLIC ILLUMINATION ON THE ROAD EVENTS

Diana C. THIERHEIMER, Tiberiu NAGY, Nicolae TANE, Walter W. THIERHEIMER

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MICROSCOPIC SIMULATION USING SIMTRAFFIC SOFTWARE

Janos TIMAR, Corneliu COFARU, Daniela FLOREA, Stelian ȚÂRULESCU, Dinu COVACIU

SMAT2008R18

STUDY REGARDING THE ROAD TRAFFIC NOISE COMBINED WITH OTHER DISTURBING SOURCES

Janos TIMAR, Ariadna ILIUT, Corneliu COFARU, Daniela FLOREA, Călin ROŞCA

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URBAN TRAFFIC DATA ACQUISITION USING THE GPS

Janos TIMAR, ARIADNA ILIUT, Corneliu COFARU, Daniela FLOREA, Sânziana TIMOFTI

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INFLUENCE OF THE HUMAN ELEMENT OF THE INTERACTION BETWEEN USER AND THE ROAD

Iuliana LASCU, Daniel-Dragos TRUSCA

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OVERVIEW OF VEHICLE TO PEDESTRIAN COLLISIONS IN LINEAR SETTLEMENTS AND THEIR CAUSES

Iuliana LASCU, George-Radu TOGANEL

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FAILURE TIME DISTRIBUTION ANALYZE OF THE BRAKING PADS IN ORDER TO OPTIMIZE THE PLANNED MAINTENANCE

Alexandru BOROIU, Viorel NICOLAE, Gheorghe STAN

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RESEARCH CONCERNING EXPERIMENTAL DETERMINATION OF THE MAIN PASSENGER FLOWS WITHIN THE METROPOLITAN AREA OF PITESTI CITY IN ORDER TO VALIDATE THE OPPORTUNITY OF INTRODUCING A NEW PUBLIC TRANSPORT SYSTEM ON INDIVIDUAL LANE (WHEEL TRAMWAY)

Rodica NICULESCU, Florian IVAN, Viorel NICOLAE, Catalin ZAHARIA

SMAT2008R24

RESEARCH CONCERNING DETERMINATION OF COMMERCIAL SPEED IN ORDER TO VALIDATE THE OPPORTUNITY TO INTRODUCE A NEW PUBLIC TRANSPORT SYSTEM ON INDIVIDUAL LANE (WHEEL TRAMWAY) WITHIN THE METROPOLITAN AREA OF PITESTI CITY

Florian IVAN, Rodica NICULESCU, Viorel NICOLAE, Catalin ZAHARIA

SMAT2008R25

EXPERIMENTAL RESULTS OF THE IMPACT BETWEEN A FALSE-HEAD AND THE INSTRUMENT PANEL

Sorin ILIE, Ştefan TABACU

SMAT2008R26

THE APPLICATION OF SYSTEM'S IDENTIFICATION TYPE METHOD IN DESIGNING, REALIZATION AND VALIDATION OF MATHEMATICAL MODELS FOR TRAFFIC SEQUENCES OPTIMIZATION

Theodor George OPRICA, Traian POPESCU, Ilie DUMITRU, Constantin STAN, Nastase SUTRU

SMAT2008R27

RUTIERR TRANSPORTS, THEIR SUSTAINEBLE DEVELOPMENT AND ENVIRONMENT

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