

CURRICULUM VITAE

1. Nume HUMINIC
 2. Prenume Angel
 3. Data și locul nașterii 04.08.1971, România
 4. Cetățenie Română

5. Studii

Universitare/postuniversitare/doctorat

Instituția	Universitatea Transilvania din Brașov	Universitatea Transilvania din Brașov
Perioada:	1991 - 1996	2002 - 2005
Grade sau diplome obținute	Inginer Construcții Aeronave	Doctor în Inginerie Mecanică

6. Alte specializări și calificări

6.1 *Aerodinamica autovehiculelor*, certificat de atestare profesională SAE International (Society of Automotive Engineers, USA), 2008.

6.2 *Proiectarea subansamblelor și ansamblelor de aeronave și a componentelor mecanice ale aeronavelor*, certificat de atestare profesională nr. 1767/01/1999, SC IAR SA Brasov.

7. Titlul științific Doctor inginer

8. Experiența profesională și didactică

Funcția	Inginer proiectant	Asistent universitar	Șef lucrări universitar	Conferențiar universitar	Inginer proiectant
Perioada	1996 - 2000	2000 - 2003	2003 - 2007	2007 - 2012, 2012 - prezent	2012- prezent
Instituția	S.C. IAR S.A. Brașov	Universitatea Transilvania din Brașov	Universitatea Transilvania din Brașov	Universitatea Transilvania din Brașov	S.C. INAS S.A. Craiova
Locul	Departamentul de Cercetare Dezvoltare	Catedra de Termodinamică și Mecanica Fluidelor	Catedra de Termodinamică și Mecanica Fluidelor	Catedra TMF, Departamentul de Inginerie Mecanică	Compartimentul PS - CAE

9. Locul de muncă actual

Universitatea Transilvania Brașov
 Facultatea de Inginerie Mecanică
 Departamentul de Inginerie Mecanică

S.C. INAS S.A. Craiova (Institutul pentru Analiza Sistemelor)
 Compartimentul Proiectare Structuri și analize CAE

10. Vechime la locul de muncă actual

14 ani

11. Limbi străine cunoscute

Engleza

**12. Lucrări elaborate și/sau publicate, selecție în corelare cu disciplinele predate:
Mecanica Fluidelor și Mașini Hidraulice, Dinamica Fluidelor, Bazele Aerodinamicii**

12.1. Monografii

Huminic A., "Mecanica Fluidelor", Universitatea Transilvania din Brașov, ISBN 978-606-19-0380-1, 2014

Huminic A., "Mecanica Fluidelor și Aerodinamică Experimentală – Noțiuni teoretice și Aplicații practice", Editura Universității Transilvania din Brașov, ISBN 978-973-635-856-2, 2006

Șoica A., Chiru A., Ispas N., Huminic A., "Caroserii și Sisteme de Siguranță Pasivă", Editura Universității Transilvania din Brașov, ISBN 973-635-461-X, 2005

12.2. Articole publicate în reviste de specialitate (ISI cu Factor de Impact)

Huminic G., Huminic A., "Numerical study on heat transfer characteristics of thermosyphon heat pipes using nanofluids", Energy Conversion and Management, Volume 76, 2013, pp. 393-399, ISSN: 01968904, doi: 10.1016/j.enconman.2013.07.026, Factor de impact 2.775

Huminic G., Huminic A., "Numerical analysis of laminar flow heat transfer of nanofluids in a flattened tube", International Communications in Heat and Mass Transfer, Vol. 44, pp. 52-57, 2013, ISSN: 07351933, 2013, doi: 10.1016/j.icheatmasstransfer.2013.03.003, Factor de impact 2.208.

Articol inclus în *Top 25 Hottest Articles*, Science Direct, Engineering, International Communications in Heat and Mass Transfer, January to March 2013

Huminic A., Huminic G., Soica A., "Study of aerodynamics for a simplified car model with the underbody shaped as a Venturi nozzle", International Journal of Vehicle Design, Volume 58, Issue 1, pp. 15-32, ISSN: 0143-3369, 2012, DOI: 10.1504/IJVD.2012.045927, Factor de impact 0.509

Huminic G., Huminic A., "Application of nanofluids in heat exchangers: A review", Renewable and Sustainable Energy Reviews, Volume 16, Issue 8, pp. 5625-5638, 2012, ISSN: 136403212, doi: 10.1016/j.rser.2012.05.023, Factor de impact 5.627.

Huminic G., Huminic A., "Heat transfer characteristics in double tube helical heat exchangers using nanofluids", International Journal of Heat and Mass Transfer, Volume 54, Issue 19-20, pp. 4280-4287, ISSN: 00179310, doi: 10.1016/j.ijheatmasstransfer.2011.05.017, Factor de impact 2.307.

Articol inclus în *Top 25 Hottest Articles*, Science Direct, Engineering-Energy, International Journal of Heat and Mass Transfer July to September 2011.

Huminic G., Huminic A., "Heat transfer characteristics of a two-phase closed thermosyphons using nanofluids", Experimental Thermal and Fluid Science, Volume 35, Issue 3, 2011, pp. 550-557, doi: 10.1016/j.expthermflusci.2010.12.009, Factor de impact 1.595.

Articol inclus în *Top 25 Hottest Articles*, Science Direct, Engineering-Energy, Experimental Thermal and Fluid Science, January to March 2011.

Huminic G., Huminic A., I. Morjan I., F. Dumitrache F., "Experimental study of the thermal performance of thermosyphon heat pipe using iron oxide nanoparticles", International Journal of Heat and Mass Transfer, Volume 54, Issue 1-3, 2011, pp. 656-661, ISSN: 00179310, doi: 10.1016/j.ijheatmasstransfer.2010.09.005, Factor de impact 2.307.

Articol inclus în *Top 25 Hottest Articles*, Science Direct, Engineering-Energy, International Journal of Heat and Mass Transfer, October to December 2010.

12.3. Articole publicate în reviste de specialitate (BDI)

Huminic A., Huminic G., "Numerical flow simulation for a generic vehicle body on wheels with variable underbody diffuser", Vehicle Aerodynamics, SAE SP 2333, pp. 139-148, 2012, ISSN 0148-7191, doi: 10.4271/2012-01-0172.

Huminic A., Huminic G., "Computational Study of Flow in the Underbody Diffuser for a Simplified Car Model", Vehicle Aerodynamics, SAE SP 2269, 2010, ISSN 0148-7191, pg. 12-23, doi: 10.4271/2010-01-0119

Huminic A., Huminic G., "CFD Study Concerning the Influence of the Underbody Components on Total Drag for a SUV", Vehicle Aerodynamics, SAE SP 2226, 2009, ISSN 0148-7191, pg. 315-321, DOI: 10.4271/2009-01-1157

Huminic G., Huminic A., "New synergy analysis of alternative refrigerants used in refrigerating transport", International Journal of Low Carbon Technologies, Vol. 3, Issue 1, pp. 12-23, 2008, ISSN 17481317, DOI: 10.1093/ijlct/3.1.12

Huminic A., Huminic G., "On the Aerodynamics of the Racing Cars", Vehicle Aerodynamics, SAE SP 2226, 2008, ISSN 0148-7191, pg. 25-29, DOI: 10.4271/2008-01-0099

Huminic A., Chiru A., "On CFD Investigations of Vehicle Aerodynamics with Rotating Wheels Simulation", Vehicle Aerodynamics, SAE SP 1991, 2006, ISSN 0148-7191, DOI: 10.4271/2006-01-0804

12.4. Lucrări publicate în volumele conferințelor de specialitate (BDI)

Huminic G., Huminic A., "The Cooling Performances Evaluation of Nanofluids in a Compact Heat Exchanger", SAE World Congress 2012, Detroit USA, SAE Technical Paper 2012-01-1045, doi:10.4271/2012-01-1045,

Huminic A., Huminic G., "Study of the Automotive Wings with Coanda Effect", FISITA World Automotive Congress 2010, paper FISITA2010/F2010B033,

Huminic G., Huminic A., "Study on thermal performance of the heat pipes with water - nanoparticles mixture", SAE World Congress 2010, Detroit USA, SAE Technical Paper 2010-01-0183, doi: 10.4271/2010-01-0183.

Huminic A., Chiru A., Huminic G., "Study of the Underhood Airflow on Aerodynamics of the Road Vehicles", FISITA World Automotive Congress 2006, paper Yokohama2006/F2006M078,

Huminic A., Chiru A., "Ground Effect Simulation in Design of Vehicles", FISITA World Automotive Congress 2004, paper barcelona2004/F2004F130-paper

12.5. Granturi și contracte de cercetare științifică

Internaționale

<i>Programul/Proiectul</i>	<i>Funcția</i>	<i>Perioada</i>
"Ground Effect in Design of Vehicles - CFD Study Concerning the Behaviour of Clark-Y Airfoil in Ground Effect", Proiect desfășurat în cadrul programului HPC EUROPA (High Performance Computing) finanțat de Comisia Europeană, contract nr. RII3-CT-2003-506079, desfășurat la Institutul de Aerodinamică și Gazodinamică, Universitatea din Stuttgart, Germania, august - septembrie 2004	Responsabil proiect	2004

Naționale

<i>Programul/Proiectul</i>	<i>Funcția</i>	<i>Perioada</i>
"Calculul eficienței energetice a hidroagregatului Francis" contract CA 1029/10.05.2013, S.C Hydro-Engineering S.A. Reșița - S.C. INAS Craiova.	Director de contract	2013
"Aplicarea nanofluidelor la tuburile termice în vederea îmbunătățirii performanțelor de sistemelor de răcire", PNII-IDEI, nr. 122/5.10.2011, Universitatea Transilvania din Brașov	Membru în colectiv	2014 2011
"Determinarea caracteristicilor funcționale ale turbinelor de vânt Windy 1 și Windy 2", contract 7862/15.06.2010, COTA PFA - Universitatea Transilvania Brașov	Director de contract	2010
"Optimizarea structurilor Aerodinamice Deportante de Automobile", contract PNII IDEI - CNCIS, ID 758/2008, Universitatea Transilvania din Brașov	Director de contract	2010 2008
"Determinarea experimentală a parametrilor funcționali ai prototipului unui reductor - regulator de presiune pentru argon", contract 19/31.07.2008, SC CABRIC Brașov - Universitatea Transilvania din Brașov	Director de contract	2008

"Optimizarea transferului de căldură prin dispozitive bazate pe schimbarea de fază a lichidelor magnetice", PNII-IDEI, nr. 216/1.10.2007, Universitatea Transilvania din Braşov	Membru în colectiv	2010 2007
"Influenţa profilului frontal al caroseriei asupra vătămării pietonilor", PNII-IDEI, CNCIS, ID 218/2007, Universitatea Transilvania din Braşov	Membru în colectiv	2010 2007
"Studiul Interacţiunii Aerodinamice Automobil – Cale de Rulare", contract CEEX-ET CNCIS, nr. 5885/18.09.2006, Universitatea Transilvania din Braşov	Director de contract	2008 2006
"Tehnici numerice şi experimentale de determinare a caracteristicilor aerodinamice ale automobilelor", proiect BD, CNCIS, Universitatea Transilvania din Braşov.	Responsabil proiect	2004 2003
"Studiul teoretic şi experimental al accidentelor de circulaţie de tipul autoturism pieton", contract nr. 2/169 din 2004, CNCIS - Universitatea Transilvania Braşov	Membru în colectiv	2004
"Determinarea caracteristicilor funcţionale ale turbinei de vânt Smoky", contract nr. 1/09.02.2004 între SC Smoky SRL Hărman Braşov, Universitatea Transilvania din Braşov	Director de contract	2004
"Analiza CFD a influenţei efectului de sol asupra caracteristicilor aerodinamice ale unui automobil de teren" - contract nr. 33.459/17.07.2002, CNCIS, Universitatea Transilvania din Braşov	Director de contract	2003 2002
"Analiza Hidraulică a Liniei 7134-G027, a dimensionării 7134-PCV 313 şi 7134-PCV 314, şi a vibraţiilor din zona PCV 313 şi PCV 314", contract SNN-SA Centrala Nucleo-Electrică Cernavodă (beneficiar), SC STEVENSON S.A, SC INAS Craiova, SC Eurotest Bucureşti (executant)	Membru în colectiv	2001 2000
"Modelarea proceselor hemodinamice în sistemul carotidian uman", Contract nr. 3993/14.06.2000 CNCISU - Universitatea Transilvania din Braşov	Membru în colectiv	2001 2000

12.5. Brevete de invenţii

HUMINIC, G., HUMINIC A., *Fluid de lucru pentru un tub termic*, cerere de brevet de invenţie, OSIM a201000732 - aprobată cu hotărârea 4/113 din 30.05.2014.

13. Membru în asociaţii profesionale şi ştiinţifice

Membru al *SAE International* (Society of Automotive Engineers, USA) legitimaţie nr. 6111203020, din 2004

Membru asociat al *SAE Road Vehicle Aerodynamics Committee*, din 2009

14. Alte competenţe (coordonare specializări, discipline, laboratoare)

Responsabil/coordonator al laboratorului de *Aerodinamică*, Universitatea Transilvania din Braşov.

15. Alte menţiuni

15.1. Participari la activitati didactice in universităţi din ţară şi străinătate

Activitati didactice susţinute la Fh. Konstanz, Germania, în cadrul programului de mobilităţi academice ERASMUS, 2007

Profesor invitat la Centre for Technological Research Tessalia, în cadrul programului Leonardo da Vinci, Proiect nr. RO/2003/PL 91183/EX, *Exchange of Competencies On Renewable Energy Sources and Environment Management*, Universitatea Transilvania din Braşov

Profesor invitat la *Newman College of Higher Education*, Birmingham, UK, May 2001, în cadrul programului TEMPUS, proiect nr. IB_JEP 14397-1999, *Retraining the Administrators from Education Field*, Universitatea Dunarea de Jos, Galaţi

15.2. Organizare de evenimente ştiinţifice (conferinţe, workshop-uri, etc.)

Membru in colectivul de organizare şi editorial al celei de a XVII-a Conferinţe Naţionale de Termotehnică, Braşov 2009, organizata de Universitatea Transilvania din Braşov, facultatea de

Inginerie Mecanică, catedra de Termodinamica si Mecanica fluidelor si Societatea Română a Termotehnicienilor.

Membru in colectivul de organizare și editorial al celei de a XXXI-a Conferințe Naționale Academician Caius Iacob de Mecanica Fluidelor, Modelare Matematica, Sisteme Dinamice Neliniare si Aplicatii in Tehnica, Brașov 2006, organizata de Universitatea Transilvania din Brașov, facultatea de Matematică Informatică, facultatea de Inginerie Mecanică, și Academia Română, Institutul de Statistică Metamatică și Matematici Aplicate Gheorghe Mihoc-Caius Iacob.

Membru in comitetul științific al celei de a VI-a Conferințe internaționale AMCE 2014, The 6th International Conference on Advanced concepts in Mechanical Engineering, Iași, romania

15.3. Recenzii la reviste ISI, BDI

Recenzor la *Vehicle Aerodynamics* (SAE, SCOPUS), *Microfluidics and Nanofluidics* (SPRINGER), ASME Fluids Engineering Division (ASME), *Energy* (ELSEVIER) și Buletinul Științific al Universității Politehnica București, Seria D: Mechanical Engineering (SCOPUS).

16. Premii și distincții

Member Service Award, 2008, SAE International

07.07.2014

Dr ing. Angel HUMINIC





UNIVERSITATEA TRANSILVANIA DIN BRAŞOV
FACULTATEA DE INGINERIE MECANICĂ

Departamentul de
Inginerie Mecanică

500068 Braşov - România
Str. Universităţii nr. 1, tel. 0040-268-412921, interior 193

Concurs pentru ocuparea postului de profesor universitar, poziţia 15

Disciplinele	<i>Mecanica fluidelor şi maşini hidraulice, Dinamica fluidelor, Termotehnică şi maşini termice, ,</i>
Domeniul	<i>Inginerie Mecanică</i>
post publicat în	<i>Monitorul Oficial al României nr. nr. 324 din 10.VI.2014</i>

LISTA DE LUCRĂRI

Lista lucrărilor relevante (maxim 10)

1. Huminic G., **Huminic A.**, "Numerical Study on Heat Transfer Characteristics of Thermosyphon Heat Pipes Using Nanofluids", Energy Conversion and Management, Volume 76, 2013, pp. 393-399, ISSN: 01968904, doi: 10.1016/j.enconman.2013.07.026, Factor de impact 2.775
2. Huminic G., **Huminic A.**, "Numerical Analysis of Laminar Flow Heat Transfer of Nanofluids in a Flattened Tube", International Communications in Heat and Mass Transfer, Vol. 44, pp. 52-57, 2013, ISSN: 07351933, 2013, doi: 10.1016/j.icheatmasstransfer.2013.03.003, Factor de impact 2.208.

Articol inclus în *Top 25 Hottest Articles*, Science Direct, Engineering, International Communications in Heat and Mass Transfer, January to March 2013
3. **Huminic A.**, Huminic G., Soica A., "Study of Aerodynamics for a Simplified Car Model with the Underbody Shaped as a Venturi Nozzle", International Journal of Vehicle Design, Volume 58, Issue 1, pp. 15-32, ISSN: 0143-3369, 2012, DOI: 10.1504/IJVD.2012.045927, Factor de impact 0.509
4. Huminic G., **Huminic A.**, "Heat Transfer Characteristics in Double Tube Helical Heat Exchangers Using Nanofluids", International Journal of Heat and Mass Transfer, Volume 54, Issue 19-20, pp. 4280-4287, ISSN: 00179310, doi: 10.1016/j.ijheatmasstransfer.2011.05.017, Factor de impact 2.307.

Articol inclus în *Top 25 Hottest Articles*, Science Direct, Engineering-Energy, International Journal of Heat and Mass Transfer July to September 2011.

5. Huminic G., **Huminic A.**, "Heat Transfer Characteristics of a Two-phase Closed Thermosyphons Using Nanofluids", *Experimental Thermal and Fluid Science*, Volume 35, Issue 3, 2011, pp. 550-557, doi: 10.1016/j.expthermflusci.2010.12.009, Factor de impact 1.595.

Articol inclus în *Top 25 Hottest Articles*, Science Direct, Engineering-Energy, *Experimental Thermal and Fluid Science*, January to March 2011.

6. Huminic G., **Huminic A.**, I. Morjan I., F. Dumitrache F., "Experimental Study of the Thermal Performance of Thermosyphon Heat Pipe Using Iron Oxide Nanoparticles", *International Journal of Heat and Mass Transfer*, Volume 54, Issue 1-3, 2011, pp. 656-661, ISSN: 00179310, doi: 10.1016/j.ijheatmasstransfer.2010.09.005, Factor de impact 2.307.

Articol inclus în *Top 25 Hottest Articles*, Science Direct, Engineering-Energy, *International Journal of Heat and Mass Transfer*, October to December 2010.

7. **Huminic A.**, Huminic G., "Numerical Flow Simulation for a Generic Vehicle Body on Wheels with Variable Underbody Diffuser", *Vehicle Aerodynamics*, SAE SP 2333, pp. 139-148, 2012, ISSN 0148-7191, doi: 10.4271/2012-01-0172.
8. **Huminic A.**, Huminic G., "Computational Study of Flow in the Underbody Diffuser for a Simplified Car Model", *Vehicle Aerodynamics*, SAE SP 2269, 2010, ISSN 0148-7191, pg. 12-23, doi: 10.4271/2010-01-0119
9. **Huminic A.**, Huminic G., "CFD Study Concerning the Influence of the Underbody Components on Total Drag for a SUV", *Vehicle Aerodynamics*, SAE SP 2226, 2009, ISSN 0148-7191, pg. 315-321, DOI: 10.4271/2009-01-1157
10. **Huminic A.**, Chiru A., "On CFD Investigations of Vehicle Aerodynamics with Rotating Wheels Simulation", *Vehicle Aerodynamics*, SAE SP 1991, 2006, ISSN 0148-7191, DOI: 10.4271/2006-01-0804

Teza de doctorat

1. "Studiul Interacțiunii Aerodinamice Automobil – Cale de Rulare", Universitatea Transilvania din Braşov, coordonator Prof. Dr. ing. Anghel CHIRU, 167 pg., 2005.

Brevete de invenție

1. Huminic G., **Huminic A.**, "Fluid de lucru pentru un tub termic", cerere de brevet de invenție, OSIM a201000732 - aprobată cu hotărârea 4/113 din 30.05.2014.

Cărți

1. **Huminic A.**, "Mecanica Fluidelor", Universitatea Transilvania din Braşov, ISBN 978-606-19-0380-1, 2014
2. **Huminic A.**, "Fluid Mechanics - Theory and Applications", Editura Universității Transilvania din Braşov, ISBN 978-973-598-022-1, 2007
3. **Huminic A.**, "Mecanica Fluidelor și Aerodinamică Experimentală – Noțiuni teoretice și Aplicații practice", Editura Universității Transilvania din Braşov, ISBN 978-973-635-856-2, 2006
4. Şoica A., Chiru A., Ispas N., **Huminic A.**, "Caroserii și Sisteme de Siguranță Pasivă", Editura Universității Transilvania din Braşov, ISBN 973-635-461-X, 2005

Articole publicate în reviste cotate ISI

1. Huminic G., **Huminic A.**, "Numerical Study on Heat Transfer Characteristics of Thermosyphon Heat Pipes Using Nanofluids", *Energy Conversion and Management*, Volume 76, 2013, pp. 393-399, ISSN: 01968904, doi: 10.1016/j.enconman.2013.07.026, Factor de impact 2.775
2. Huminic G., **Huminic A.**, "Numerical Analysis of Laminar Flow Heat Transfer of Nanofluids in a Flattened Tube", *International Communications in Heat and Mass Transfer*, Vol. 44, pp. 52-57, 2013, ISSN: 07351933, 2013, doi: 10.1016/j.icheatmasstransfer.2013.03.003, Factor de impact 2.208.
3. **Huminic A.**, Huminic G., Soica A., "Study of Aerodynamics for a Simplified Car Model with the Underbody Shaped as a Venturi Nozzle", *International Journal of Vehicle Design*, Volume 58, Issue 1, pp. 15-32, ISSN: 0143-3369, 2012, DOI: 10.1504/IJVD.2012.045927, Factor de impact 0.509
4. Huminic G., **Huminic A.**, "Application of Nanofluids in Heat Exchangers: A review", *Renewable and Sustainable Energy Reviews*, Volume 16, Issue 8, pp. 5625-5638, 2012, ISSN: 136403212, doi: 10.1016/j.rser.2012.05.023, Factor de impact 5.627.
5. Huminic G., **Huminic A.**, "Heat Transfer Characteristics in Double Tube Helical Heat Exchangers Using Nanofluids", *International Journal of Heat and Mass Transfer*, Volume 54, Issue 19-20, pp. 4280-4287, ISSN: 00179310, doi: 10.1016/j.ijheatmasstransfer.2011.05.017, Factor de impact 2.307.
6. Huminic G., **Huminic A.**, "Heat Transfer Characteristics of a Two-phase Closed Thermosyphons Using Nanofluids", *Experimental Thermal and Fluid Science*, Volume 35, Issue 3, 2011, pp. 550-557, doi: 10.1016/j.expthermflusci.2010.12.009, Factor de impact 1.595.
7. Huminic G., **Huminic A.**, I. Morjan I., F. Dumitrache F., "Experimental Study of the Thermal Performance of Thermosyphon Heat Pipe Using Iron Oxide Nanoparticles", *International Journal of Heat and Mass Transfer*, Volume 54, Issue 1-3, 2011, pp. 656-661, ISSN: 00179310, doi: 10.1016/j.ijheatmasstransfer.2010.09.005, Factor de impact 2.307.
8. Huminic G., **Huminic A.**, "Entropy Analysis of Isobar - Isothermal Processes, *Revista de Chimie*", Volume 60(5), 2009, pg. 518-523.

Articole publicate în reviste/conferințe indexate în BDI

SCOPUS, SAE International (Society of Automotive Engineers, USA)

1. **Huminic A.**, Huminic G., "Numerical Flow Simulation for a Generic Vehicle Body on Wheels with Variable Underbody Diffuser", *SAE Technical Paper 2012-01-0172*, 2012, doi: 10.4271/2012-01-0172.
2. Huminic G., **Huminic A.**, "The Cooling Performances Evaluation of Nanofluids in a Compact Heat Exchanger", *SAE Technical Paper 2012-01-1045*, 2012, doi:10.4271/2012-01-1045.
3. **Huminic A.**, Huminic G., "Computational Study of Flow in the Underbody Diffuser for a Simplified Car Model," *SAE Technical Paper 2010-01-0119*, 2010, doi:10.4271/2010-01-0119.
4. Huminic G., **Huminic A.**, "Study on Thermal Performances of the Heat Pipes with Water - Nanoparticles Mixture", *SAE Technical Paper 2010-01-0183*, 2010, doi:10.4271/2010-01-0183.

5. **Huminic A.** and Huminic G., "CFD Study Concerning the Influence of the Underbody Components on Total Drag for a SUV", SAE Technical Paper 2009-01-1157, 2009, doi:10.4271/2009-01-1157.
6. **Huminic A.**, Huminic G., "On the Aerodynamics of the Racing Cars," SAE Technical Paper 2008-01-0099, 2008, doi:10.4271/2008-01-0099.
7. Huminic G., **Huminic A.**, "New Synergy Analysis of Alternative Refrigerants Used in Refrigerating Transport", International Journal of Low Carbon Technologies, Volume 3, Issue 1, January 2008, Pages 12-23, doi: 10.1093/ijlct/3.1.12.
8. **Huminic A.**, Chiru A., "On CFD Investigations of Vehicle Aerodynamics with Rotating Wheels Simulation," SAE Technical Paper 2006-01-0804, 2006, doi:10.4271/2006-01-080.

FISITA (International Federation of Automotive Engineering Societies)

9. **Huminic A.**, Huminic G., "Flow Simulation Around a Generic Vehicle Body on Wheels", SIAR International Congress on Automotive, CAR 2011, ISSN 1453-1100.
10. Huminic G., **Huminic A.**, Virgil-Barbu Ungureanu, "Experimental Investigation of the Heat Pipes Heat Exchangers", SIAR International Congress on Automotive and Transport Engineering, CONAT 2010, ISSN 2069-0401, Volume 2, pp.157-162.
11. Huminic G., Benche V., **Huminic A.**, "Entropy Generation Analysis for Energetically Optimization of Combustion Engines Radiators", SIAR International Congress on Automotive and Transport Engineering, CONAT 2010, ISSN 2069-0401, Volume 2, pp. 163-170.
12. **Huminic A.**, Huminic G., "Automotive Wing with Coanda Effect", International Congress on Automotive and Transport Engineering, CONAT 2010, ISSN 2069-0401, Volume 2, pp. 171-178.
13. **Huminic A.**, Huminic G., "Study of the Automotive Wings with Coanda Effect", FISITA World Automotive Congress 2010, ISBN: 978-1-61782-507-1, Volume 5, pp. 4134-4143.
14. Huminic G., **Huminic A.**, "Numerical Simulation of the Heat Pipe Heat Exchangers Used in Automotive", SIAR International Conference Fuel Economy, Safety And Reliability Of Motor Vehicles, ESFA 2009, ISSN 2067-1083, pp.421-428.
15. **Huminic A.**, Huminic G., "On Energetics of the Automotive Deportante Wings Assisted by Coanda Effect", SIAR International Conference Fuel Economy, Safety And Reliability Of Motor Vehicles, ESFA 2009, ISSN 2067-1083, pp.453-460.
16. Benche V. , Huminic G., **Huminic A.**, "Energetically Optimization of Internal Combustion Engine Radiator Using the Electro-hydrodynamic Analogy", SIAR International Congress Science and Management of Automobiles and Tractors, SMAT 2008, ISBN 978-606-510-253-8, pp. 8-11.
17. **Huminic A.**, Huminic G., "Automotive Deportante Wing with Coanda Effect", SIAR International Congress Science and Management of Automobiles and Tractors, SMAT 2008, ISBN 978-606-510-253-8, pp. 67-172.
18. **Huminic A.**, Chiru A., Huminic G., "Study of the Underhood Airflow on Aerodynamics of the Road Vehicles", FISITA 2006 World Automotive Congress, Paper 20068394.
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