

Curriculum Vitae

OANA MARIA (MANTA) BĂLAȘ

Experience:

Julie 2020 - Present: Project Manager for Fuel & SCR circuits components developed for Dacia/Renault Global Access vehicles – Euro 6 Regulation, Renault Technologie Roumanie:

- *Manage the project development of fuel and urea components for Dacia Duster, Dacia Logan and Dacia Lodgy, due to Euro 6 Regulation impact;*
- *Manage 5 different suppliers, 35 new parts under development, integrated in two Dacia vehicle plants - Romania and Maroc*

October 2018 – June 2020: System Engineering Leader, in charge of fuel system development for Dacia/Renault Global Access 2020 vehicles, industrialized in 4 Dacia vehicle plants: Romania, Maroc (Tanger & Somaca) and Russia, Renault Technologie Roumanie:

- *Responsible of:*
 - o *fuel systems architecture convergence (conception, hardware and software) and validation*
 - o *Fuel indication system development & performance*
 - o *Fuel filling performance and development*
 - o *Fuel system evaporative emissions*
 - o *Fuel system feeding development and performance*

June 2015 – September 2018: Engineering Leader, in charge of fuel circuits development (petrol, diesel and urea/ Adblue versions) for all the Dacia/Renault Global Access vehicles -Renault Technologie Roumanie;

- *Responsible for fuel circuit parts development (petrol and gasoline)*
- *Responsible for urea circuits parts development (SCR- Adblue)*
- *Lead the technical activities of a team of 3 members*
- *Provide technical solutions, coherent with quality and cost objectives for the project*
- *Manage technical advancement of IAV WorkPackage for development of two vehicles*

August 2013 – December 2016: Local Technical Leader for Fuel system for Eurasia Region– complementary function to Product Engineer / Engineering Leader for Dacia/Renault Global Access vehicles, Renault Technologie Roumanie:

- *Assure technical expertise on Fuel circuit for serial life topics as well as for project development topics, for all Dacia/ Renault- Global Access Range in Eurasia Region*

September 2012 – May 2015: - Project Engineer / Product Contract Manager for Fuel systems (petrol and diesel versions of Dacia/Renault Global Access vehicles, Renault Technologie Roumanie:

- *Responsible of development (design, validation, industrialization) of different components of Fuel circuits (tank, cap, fuel lines, fuel absorbers)*

Education:

2014 - Present: Doctoral Studies – University POLITEHNICA of Bucharest, Faculty of Engineering and Management of Technological Systems, Research on constructive solutions for decreasing the slosh noise phenomena

2021 - Certified Project Manager Associate – IPMA Level D: International Project Management Association

2012 - 2014: Master studies – University POLITEHNICA of Bucharest, Faculty of Engineering and Management of Technological Systems - Economical Engineering and Business Management

2008 - 2012: Bachelor's Degree, University POLITEHNICA of Bucharest, Faculty of Engineering and Management of Technological Systems — Industrial Economic Engineering

2008 - 2011: Bachelor's Degree, The Bucharest Academy of Economic Studies, Faculty of Marketing, diploma on “The Design of a Direct E-mail Campaign”

2004 - 2008: National College of Informatics “Tudor Vianu”, Bucharest

Patents:

September 2020 June (publication date) - Anti-sloshing device for a motor vehicle fuel tank – Romanian OSIM patent: RO132647 Interconnected hauberk structures attached on fuel pump module - technical solution to decrease the slosh noise phenomena inside fuel tank, Renault Technologie Roumanie propriety;

May 2010 (publication date) - Lower part of reservoir with reserve tank, Institute National de la Propriete Industrielle - France patent: FR3073782, Renault SAS propriety;

November 2019 (publication date) - DISPOSITIF ANTI CLAPOT D'UN RESERVOIR DE CARBURANT D'UN VEHICULE AUTOMOBILE - European Patent- EP3296136 A1 for interconnected hauberk structures attached on fuel pump module - technical solution to decrease the slosh noise phenomena inside fuel tank, Renault SAS propriety;

June 2018 (publication date): DISPOSITIF ANTI CLAPOT D'UN RESERVOIR DE CARBURANT D'UN VEHICULE AUTOMOBILE – French patent – Institute National de la Propriete Industrielle – FR3060480 (Expandable attached wings on fuel pump module technical solution to decrease the slosh noise phenomena inside fuel tank), Renault SAS propriety

June 2018 (publication date): DISPOSITIF ANTI CLAPOT D'UN RESERVOIR DE CARBURANT D'UN VEHICULE AUTOMOBILE – French patent – Institute National de la Propriete Industrielle – FR3061090 (fishbone structures attached on fuel pump module - technical solution to decrease the slosh noise phenomena inside fuel tank), Renault SAS propriety;

August 2018 (publication date): DISPOSITIF ANTI CLAPOT D'UN RESERVOIR DE CARBURANT D'UN VEHICULE AUTOMOBILE – French patent – Institute National de la Propriete Industrielle – FR3055835 (interconnected hauberk structures attached on fuel pump module - technical solution to decrease the slosh noise phenomena inside fuel tank), Renault SAS propriety.

Publications & Patent Requests:

May 2019 (publication date) - Lower tank portion with auxiliary reservoir, Romanian OSIM patent request: RO133321, Renault Technologie Roumanie propriety;

June 2018 (publication date) - Anti-sloshing device for a motor vehicle fuel tank – Romanian OSIM patent request: RO132679 Fishbone structures attached on fuel pump

module - technical solution to decrease the slosh noise phenomena inside fuel tank, Renault Technologie Roumanie propriety;

March 2018 (publication date) - Anti-sloshing device for a motor vehicle fuel tank – Romanian OSIM patent request: RO132428 Expandable attached wings on fuel pump module technical solution to decrease the slosh noise phenomena inside fuel tank, Renault Technologie Roumanie propriety;

2016 – Innovative Manufacturing Engineering and Energy international conference, “Research and constructive solutions on the reduction of slosh noise”, ISBN: 978-960-88944-9-5, Manufacturing Processes and Manufacturing, Materials Science and Engineering 161 (2016) 012003, Kallithea Chalkidiki, Greece

2015 - International Conference on Advanced Manufacturing Technologies, Bucharest, “Study regarding the influence of the fuel tank constructive characteristics on slosh noise effect”, ISSN: 1662-7482, Vol. 834, pp 22-27, Applied Mechanics and Materials, published by Trans Tech Publications Inc, Switzerland;

2011: “1 Decembrie 1918” University of Alba Iulia - National Students Symposium “In Extenso”, XI-th Edition – “Marketing and graphics in support of corporate identity”, Alba Iulia, Romania.

Academic activities:

23 August – 5 September 2009: "What goes around comes around...put yourself in the recycle tray - the waste point of view!" – BEST SUMMER COURSE on Technology – ALMADA, Portugal

University Practice:

4 April – 29 June 2012: Internship at Renault Technologie Roumanie – “Sizing the cooling module”- Cooling Circuit – Direction Ingénierie Equipements et Systèmes Châssis Department

2nd May -29 Julie 2011: internship at Renault Technologie Roumanie - “Concurrence Analysis, Syntheses and Comparison between Product Specifications for Renault –Nissan, Regarding a Filler Pipe Assembly”, Fuel circuit - Direction Ingénierie Equipements et Systèmes Châssis Department

22 August – 30 September 2010: internship - Liga WEB, Bucharest – Marketing Department

5 – 23 Julie 2010: Short term internship - CAMERON ROMANIA, Campina – Manufacturing Engineering Department

6 Julie – 7 August 2009: S.C. GRIRO S.A., Bucharest, Control Department

Awards:

December 2018: „Creativity Awards ARCUB – UNATC 2018”, “Laury of academic Expectations Creativity Award” for doctoral activity, representing University Politehnica of Bucharest

May 2013: UPB Students ‘Scientific Communication Session – “Extendible Multifunctional Device for ironing” (section: Engineering and Management of Project Development, Innovative products and Processes), mention prize, Bucharest, Romania

May 2012 UPB Students ‘Scientific Communication Session –“Study regarding the optimal material for manufacturing parts from the fuel circuit” (section: Engineering and Management of Manufacturing), first prize, Bucharest, Romania

May 2011: UPB Students 'Scientific Communication Session – "The Design of a Branding Campaign for a New Product" (section: Economic Engineering and Manufacturing Management) - second prize, Bucharest, Romania

May 2011: UPB Students 'Scientific Communication Session – "Bio-fuels of the 3rd Generation Used in Automotive Industry" (section: Processes, Equipments and Manufacturing Technologies) - second prize, Bucharest, Romania

May 2011: UPB Students 'Scientific Communication Session – "Graphics in the Corporate Identity" (section: Descriptive Geometry and Engineering Design) - third prize, Bucharest, Romania

April 2011: University "1 December 1918" of Alba Iulia, Faculty of Science - National Students 'Symposium IN EXTENSO, XI-th Edition – "Marketing and Graphics in Corporate Identity", first prize, Alba Iulia, Romania

November 2010 BEST Engineering Competition: Case study "Are you ready to discover how yoghurt is made? DANONE Technical College - BET team - second prize, Bucharest, Romania

May 2010: UPB Students 'Scientific Communication Session – "Dynamic Work" – Section of integrated engineering and production management (Faculty of Engineering and Management of Technological Systems) - second prize, Bucharest, Romania

May 2010: UPB Students 'Scientific Communication Session – "Branding through LOGO Design" (Faculty of Aerospace Engineering) - third prize, Bucharest, Romania

May 2010: UPB Students 'Scientific Communication Session – "U...from unemployment" (Management Department) - second prize, Bucharest, Romania

May 2010: University of Petrosani, Faculty of Sciences - National Students 'Symposium "Student, Science, Society", VIII-th Edition – "Logo –Graphical Instrument in Branding" (Section Management, Marketing and Public Administration), second prize, Petrosani, Romania

26 – 27 November 2009: TURBOquest: Production Simulation Contest, Honeywell Garrett – DARE team - second prize, Bucharest, Romania

Julie 2009: Romanian BEST Engineering Competition - RoBEC: Case Study – NOVAS team – second prize, Cluj Napoca, Romania

May 2009: BEST Engineering Competition: Case study (promotion) – NOVAS team - winner of the final, Bucharest, Romania

May 2009: BEST Engineering Competition: Case study (sales) – NOVAS team - first prize, Bucharest, Romania

May 2009: UPB Students 'Scientific Communication Session – "The Advertisement – A Graphical Vector in Marketing" (Faculty of Aerospace Engineering) - third prize, Bucharest, Romania

June 2004 - Learn How to Change the World, Procter & Gamble – partnership with Romanian Government - first prize (1000\$ to implement the project in my community), Bucharest, Romania

Participations:

October 2020: OPTTEAM Project Management Training, Organized by Renault Technologie Roumanie, Bucharest, Romania.

May 2019: From idea to commercialization, organized by European Patent Academy and Romanian State Office for Inventions and Trademarks, Bucharest, Romania

September 2016: Innovative Manufacturing Engineering and Energy Conference "Science and Engineering in the land of Aristotle", Kallithea Chalkidiki, Greece, "Research and constructive solutions on the reduction of slosh noise"

October 2015 - International Conference on Advanced Manufacturing Technologies, Bucharest, "Study regarding the influence of the fuel tank constructive characteristics on slosh noise effect", ISSN: 1662-7482, Vol. 834, pp 22-27, Applied Mechanics and Materials, published by Trans Tech Publications Inc, Switzerland

November 2012: Time Management Training, organized by VUJADE Training, Bucharest

7-10 April 2010: National Symposium IP Workshop - Slobozia, "E-learning advertising" – educational application

March 2010: Freshhh 2010 – MOL Group Competition – ROLL team

November 2009: Contest Citizen Act, BRD Societ  Generale - DARE team

2007: Contest „Bussines Ethics Competition”, European Project- "Junior Achievement"

2005 – 2006: Contest "Pupil's "Company"- BEBELLE Team – European Project- "Junior Achievement"

2006: International On-line Contest "Global Business Ethics 2006"- MAVRO Team- "Junior Achievement"

October 2005: Contest "European Challenge"- "MESE-TWICE Team – Carlspen – expert category - European Project - "Junior Achievement"

Computer skills acquired during university

LabView, AutoCAD, Inventor, ProEngineering, Catia, Primavera, Visio, 3Dlive, Cobra

Certificated Computer skills:

10 Julie 2008: Computer skills - professional certification of competences, Ministry of Education, Research and Youth;

13 March 2007: ECDL Advanced - Module 6 - Presentations - European Computer Driving License – Syllabus Version 4;

10 October 2006: ECDL Advanced – Module 3 – Word Processing - European Computer Driving License – Syllabus Version 4;

9 March 2006: ECDL Core - European Computer Driving License – Syllabus Version 4.

Extracurricular Activities:

6 – 8 September 2013: participant at "Nature and the human being – alimentation at Romanians" – International Interdisciplinary Symposium, "Francisc I. Rainer" Anthropology Institute, Romanian Academy, Doftana Valley, Prahova, Romania

10 - 11 Julie 2012: participant at "Human body through anthropological and medical view" – International Summer School, "Francisc I. Rainer" Anthropology Institute, Romanian Academy, Bucharest

2012: Certified entrepreneurial competences – S.C. STEF. MANAGEMENT CONSULTING S.R.L., Ministry of Education, Research and Youth, Ministry of Work, Family and Equality in Chances, Bucharest

12 October 2011: participant at the "Anthropology and Nutritional Status" - colloquium with international participation organized by the Institute of Anthropology "Francis I. Rainer", Romanian Academy, Bucharest

16 -26 September 2011: participant at the project “European Outsider” - part of “Youth in action” Program (a Youth Exchange with 22 young people from Romania, Hungary and Latvia), KEKAVA, Latvia

Summer of 2006/2007/2009: Byzantine Painting Instructor at “Mihai Eminescu” Cultural Center, Bucharest, Romania

August – September 2008: Summer Course and Workshop at Byzantine Painting School from Kalambaka Meteoron – Greece

Other Activities:

2007: Driving license – category B;

2004 – 2007: Folk Art School, Targu-Jiu, Gorj (Painting)

2002-2004: Karate – green Belt.

Foreign Languages:

English - advanced level – professional certification of competences, Ministry of Education, Research and Youth;

French - advanced level.