



Elena LASCU

WORK EXPERIENCE

[12/2021 - Current] **Local Technical Leader and Numerical Simulation Specialist**

Renault Technologie Roumanie

City: Bucharest

- Piloting and carrying out the set of numerical simulation activities necessary to develop the performance of the exhaust system and the engine supports.
- Providing expertise, defining and implementing specific numerical validation plans to improve technical definitions.

[03/2018 - 12/2021] **Numerical Simulation Engineer**

Akka Romserv SRL

City: Bucharest

- Defining and creating numerical simulation models by calculating the performance of the exhaust system and engine supports.
- Identifying bottlenecks related to specifications and drafting analysis reports based on the results of numerical simulations.

[02/2016 - 03/2018] **Vehicle Services Specialist**

Meridian Nord SRL

City: Bucharest

- After-sales analyst: preparation, centralization and management of warranty files, quotations and invoices related to free overhauls, fleet contracts, marketing campaigns and promotions
- Identifying and ordering parts for repairs.
- Maintenance and control of warranty costs, reporting the warranty work to the manufacturer using specific IT platforms.

[05/2015 - 01/2016] **Flow management logistician**

Meridian Nord SRL

City: Bucharest

- Support the transportation process and evaluate issues related to the vehicle supply process
- Resourcing and managing customer orders management,



ensuring preparation of customer database accordingly to the customer requirements, planning the activity by proposing corrective measures on the stock, tracking customer satisfaction and centralizing the results

[2011 - 2014] **Volunteer**

Students Association of I.M.S.T. faculty

City: Bucharest

Students Association of Faculty of Engineering and Management of Technological Systems (ASIMST) - students organization

- Active participation in the organization and smooth running of events within the association, research on possible partners for events, involvement in various projects

[06/2014 - 09/2014] **Procurement Internship**

Honeywell International Services

City: Bucharest

- Following methods to build the quality documents in order to design the quality management system
- Studying technical documentation and standards in order to select the parts suppliers
- Analyzing and proposing procedures and instructions for dealing with non-conformities, document traceability and supplier selection
- Cooperation with the team in department for the comprehend of information regarding the translation of theoretical notions into profitable practice

[02/2014 - 04/2014] **Marketing Internship**

Honeywell International Services

City: Bucharest

- Reading information from parts suppliers database (components of the vehicle's braking system) and comparing the information with the data found in the technical drawings
- Identification of anomalies from technical drawings
- Maintenance of database for vehicle braking system components

EDUCATION AND TRAINING

[2017 - Current] **PhD student**

Politehnica University of Bucharest

City: Bucharest



Field(s) of study: Industrial engineering

Politehnica University of Bucharest - Doctoral School of Industrial Engineering and Robotics; Field - Industrial Engineering;

The title of the doctoral thesis "*Researches and contributions on the analysis and improvement of the organizational performance in services' field of automotive industry*"

- Scientific research activities

[09/2019 - 01/2021] **PhD entrepreneur student**

Politehnica University of Bucharest

City: Bucharest

Field(s) of study: Industrial engineering

The "*Scholarships for entrepreneurial education among doctoral students and postdoctoral researchers (Be Entrepreneur!)*" project, financed by POCU 380/6/13 based on Contract no. 51680/09.07.2019 - SMIS code: 124539

- I attended several workshops and coaching group meetings.
- I was involved in various PCOP activities for risk management, financial and operational management, copyright and intellectual property.
- I did a 2-week internship.
- We made a business plan considering market research, sales and marketing strategies, product offering, business model and other criteria.
- I have published two research papers:
 - A paper at the 35th International Business Management Association Conference (IBIMA)
 - An article in Quality Access to Success magazine

[2015 - 2017] **Master's degree**

Politehnica University of Bucharest

City: Bucharest

Field(s) of study: Industrial engineering

POLITEHNICA University of Bucharest - Faculty of Engineering and Management of Technological Systems (IMST)

- Specialization - "Quality Engineering"

[2011 - 2015] **Bachelor's degree in "Engineering and Quality Management"**

Politehnica University of Bucharest

City: Bucharest

Field(s) of study: Industrial engineering



POLITEHNICA University of Bucharest - Faculty of Engineering and Management of Technological Systems (IMST)

- Specialization - " Engineering and Quality Engineering"

[2011 - 2014] **Certification for the teaching profession "Psihopedagogical Module" Level I**

Politehnica University of Bucharest

City: Bucharest

Field(s) of study: Industrial engineering

Psychopedagogical training program for the certification of skills for the teaching profession, Level I

[2007 - 2011] **Bacclaireate degree**

"Anastasescu" National College

City: Rosiori de Vede

Main subjects studied: Mathematics, Informatics, Physics

[2011 - 2012] **Student entrepreneur**

National Institute for Small and Medium Enterprises

City: Bucharest

The project "*Complex package of entrepreneurial training for the social inclusion of women under conditions of equal opportunities on the labor market (PROWOB)*", financed by POSDRU/71/6.3/S/24567

- I attended several workshops and coaching group meetings

ORGANISATIONAL SKILLS

Planning and organization

Strengths points developed as a result of academic studies and experience in the organizations in which I worked: planning resources and synthesizing information, organizing tasks and projects, by setting clear priorities.

Time management

Strengths points developed as a result of the experience within the organizations in which I worked: efficient time management, meeting deadlines, achieving goals, punctuality.

Leadership skills

The leadership skill was developed within the current professional activity: coordinating the numerical simulation team by effectively delegating tasks to team members, assigning responsibilities and setting clear expectations.



Attention to detail

Attention to detail, analytical thinking, stress tolerance, adaptability, results orientation.

COMMUNICATION AND INTERPERSONAL SKILLS

Strong verbal and written communication skills

Very good multicultural communication skills by effectively conveying complex information in a clear and concise manner, both verbally and in writing.

Team player

As the Numerical Simulation Team Coordinator, I work effectively and collaboratively with the team, contributing expertise, ideas and providing support to achieve goals.

Active listener

I pay attention to and understand the perspectives of others, responding respectfully and providing constructive feedback.

Adaptability

Excellent social adaptability and multicultural work environment, to new situations and constantly changing environments. I am analytical, self-taught and persistent.

DIGITAL SKILLS

Advanced knowledge of the Microsoft Office Suite | Knowledge of C++, HTML, Visual Basic | CAD Design and 3D Modeling | Numerical Simulation (Adams, MATLAB, FLUENT, ANSA, NASTRAN, Pam-Crash)

DRIVING LICENCE

Cars: B

ADDITIONAL INFORMATION

Premii

1. Second Prize - Student Scientific Communications Session, Materials and Welding Technology Department, MAY 2014
2. Mention - Student Scientific Communications Session, Materials Technology and Welding Department, MAY 2014
3. Mention - Student Scientific Communications Session, Materials Technology and Welding Department, MAY 2013

PUBLICATIONS

List of published works

LIST OF PUBLISHED WORKS

Eng. Elena LASCU

University Politehnica of Bucharest
Faculty of Industrial Engineering and Robotics

IF JOURNALS (Q2)

1. Stînga, F., Severin, I., Mitrache, A.I., **Lascu, E.** (2020). *Redesign of the Curing Area of the Tire Manufacturing Process*, Journal of Sustainability, **IF 3.889 Q2**, Volume 12, Issue 17, paper 6909, DOI: 10.3390/su12176909, eISSN: 2071-1050, [WOS: 000569620600001](#). Quoted in:
 - Diga, D., Severin, I., Ignat, N.D. (2021). *Quality Study on Vehicle Heat Ventilation and Air Conditioning Failure*, Journal of Sustainability, **IF 3.889 Q2**, Volume 13, Issue 23, paper 13441, DOI: 10.3390/su132313441, eISSN: 2071-1050, [WOS: 000735080600001](#)
 - Sutrisno, B. (2022). *A systematic Literature Review of Quality Seven Tools*, Indonesian Journal of Industrial Engineering and Management (IJIEM), Vol. 3, Iss. 1, pp. 72-84, DOI: 10.22441/ijiem.v3i1.13551, ISSN: 2614-7327.
 - Febriana, T.H., Hasbullah, H. (2021). *Analysis and defect improvement using FTA, FMEA, and MLR through DMAIC phase: Case study in mixing process tire manufacturing industry*, Journal Européen des Systèmes Automatisés (JESA), Vol. 54, Iss. 5, pp. 721-731, DOI: 10.18280/jesa.540507, ISSN: 1269-6935.

ISI PROCEEDINGS

1. Diga, D., **Lascu, E.**, Chisiu, G. (2020). *Key Life tests for automotive design validation*, The 36th International Business Information Management Association Conference (IBIMA), ISI Proceedings Database, pp. 6409-6420, ISBN: 978-0-9998551-5-7, under ISI indexing (cf. IBIMA website)
2. Mitrache, I.A., Severin, I., **Lascu, E.**, Stînga, F. (2020). *Model to evaluate customer satisfaction during product life cycle*, The 36th International Business Information Management Association Conference (IBIMA), ISI Proceedings Database, pp. 4909-4920, ISBN: 978-0-9998551-5-7, under ISI indexing (cf. IBIMA website)
3. Stînga, F., Severin, I., **Lascu, E.**, Mitrache, I.A., Dumitru, B. (2020). *Management of changes in Automotive Life Cycle*, The 36th International Business Information Management Association Conference (IBIMA), ISI Proceedings Database, pp. 2781-2789, ISBN: 978-0-9998551-5-7, under ISI indexing (cf. IBIMA website)
4. **Lascu, E.**, Mitrache, A.I., Stînga, F., Severin, I. (2020). *Customer Satisfaction Improvement Using Six Sigma in Automotive Service*, The 35th International Business Information

Management Association Conference (IBIMA)”, ISI Proceedings Database, pp. 10133 – 10144, ISBN (Volume 1): 978-0-9998551-4-1, [WOS: 000661489800075](#)

INTERNATIONAL DATABASES

1. **Lascu, E.**, Severin, I., Lascu, F.D., Gudana, R.A., Nălbitoru, G., Ignat, N.D. (2021). *Framework on Performance Management in Automotive Industry: A Case Study*, Journal of Risk and Financial Management (JRFM), **IF=0.95 Q2**, Vol. 14, Iss. 10, paper 480, DOI: 10.3390/jrfm14100480, ISSN: 1911-8066, [WOS: 000733905300001](#). Quoted in:
 - Di Luozzo, S., Keegan, R., Liolli, R., Schiraldi, M.M. (2022). *Key activity indicators: critical review and proposal of implementation criteria*, International Journal of Productivity and Performance Management (IJPPM), **IF=0.7 Q2**, Vol. ahead-of-print, No. ahead-of-print, DOI: 10.1108/IJPPM-01-2022-0023, ISSN: 1741-0401, [WOS: 000838698900001](#)
 - Hakim, I.M., Singgih, M.L, Gunarta, I.K. (2023). *Critical Success Factors for Internet of Things (IoT). Implementation in Automotive Companies, Indonesia*, Journal of Sustainability, **IF=3.889 Q2**, Vol. 15, Iss. 4, paper 2909, DOI: 10.3390/su15042909, eISSN 2071-1050.
2. **Lascu, E.**, Lascu, F.D., Stînga, F., Severin, I. (2020). *Process Redesign to reduce Stoks of Obsolete Parts in Automotive Industry*, Quality Access to Success, **IF=0.21 Q4**, Vol. 21, Iss. 178, pp. 43-49, ISSN: 1582-2559, [WOS: 000582952100008](#). Quoted in:
 - Ramirez-Pena, M., Mayuet, P.F., Vazquez-Martinez, J.M., Batista, M. (2020). *Sustainability in the Aerospace, Naval, and Automotive Supply Chain 4.0: Descriptive Review*, Journal of Materials, Vol. 13, Iss. 24, paper 5625, DOI: 10.3390/ma13245625, eISSN: 1996-1944, [WOS: 000602946800001](#)
 - Diga, D., Severin, I. (2021). *Bonnet cable defect analysis using SIX SIGMA DMAIC Techniques*, UPB Scientific Bulletin, Series D: Mechanical Engineering, Volume 43, Issue 2, pp. 203-214, ISSN: 1454-2358.