European curriculum vitae

EUROPEAN CURRICULUM VITAE FORMAT

PERSONAL INFORMATION

Name	**MARQUES, JULIAN MARCELL ENZVEILER**
Gender	Male

WORK EXPERIENCE

• Dates	OCT/2008 - NOV/2017
• Name and address of employer	**Ciber Equipamentos Rodoviários** | 77, Senhor do Bom Fim street, 91140-380, Porto Alegre, Rio Grande do Sul, Brazil
• Type of business or sector	A company member of Wirtgen Group specialized in developing and manufacturing equipment for building, maintaining, and repairing roads.
• Occupation or position held	Mechanical Engineer
• Main activities and responsibilities	Research and development of complex structures. Structural analysis using Finite Element Method – FEM (numerical simulation) and analytical calculations.

EDUCATION AND TRAINING

• Dates	NOV/2017 – PRESENT
• Title of qualification awarded	PhD Student in Engineering Science
• Name and type of organization providing education and training	Università degli Studi di Ferrara (University of Ferrara), Ferrara, Italy

• Dates	MAR/2013 – APR/2017
• Title of qualification awarded	Master's degree in Mechanical Engineering
• Thesis title	"A Comparison among Methodologies for Fatigue Life Calculation in Time and Frequency Domain with Application in the Dynamic Simulation of Semi-Trailers".
• Principal subjects/occupational skills covered	Finite Elements, Dynamic Simulation, Fatigue Life in Time and Frequency Domain, Plate and Beam Elements
• Name and type of organization providing education and training	Universidade Federal do Rio Grande do Sul, UFRGS (Federal University of Rio Grande do Sul), Brazil.
• Level in national classification	Master's degree

• Dates	MAR/2004 – DEZ/2012
• Title of qualification awarded	Bachelor degree in Mechanical Industrial Engineering
• Thesis title	"Numerical Evaluation of the Pre-collector of a Hot Mix Asphalt Plant".
• Principal subjects/occupational skills covered	Asphalt Plant, Swirl, Numerical Simulation, Total Pressure
• Name and type of organization providing education and training	Universidade Feevale (Feevale University), Brazil.
• Level in national classification	Bachelor degree

• Dates	2000 – 2004
• Title of qualification awarded	Precision Mechanic Technician
• Name and type of organization providing education and training	Escola Técnica SENAI Plínio Gilberto Kroeff (Rio Grande do Sul, Brazil).
• Level in national classification	High School degree

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE

PORTUGUESE

OTHER LANGUAGES
Self-assessment
European level (*)
English
German

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent User	B2	Independent User	B2	Independent User	B2	Independent User	B2	Independent User
A2	Basic User	A2	Basic User	A2	Basic User	A2	Basic User	A2	Basic User

(*) *Common European Framework of Reference for Languages*

SOCIAL SKILLS AND COMPETENCES

Strong interpersonal skills. Ability to work well independently or in a team, being able not only to communicate well with colleagues, customers and clients from different countries, but also to work in different environments due to the experience of living and studying in Germany for six months.

ORGANIZATIONAL SKILLS AND COMPETENCES

Self-sufficient, committed and reliable. I am good at prioritizing, organizing and planning my work effectively what leads me to have excellent time and resources management. It benefits me to accomplish deadlines and work under pressure. Strong interest in absorbing new knowledge helps me not only to have critical thinking and the ability to understand problems, but also the power to propose new ideas and solutions to solve engineering problems (by using software, equipment, technics and labs) and project systems (being creative and innovative).

TECHNICAL SKILLS AND COMPETENCES

My work experience and my final thesis (Master's degree) gave the opportunity to focus on methodologies for fatigue life calculation in vehicles dynamic simulation. Because of this, I got some experience in modal, harmonic, transient and spectral analysis using numerical (Finite Element Method) and analytical methods to calculate them. Since then, I have developed excellent abilities in CAD 3D software, designing mechanical components and large assemblies. My experience taught me to solve problems in dynamic simulations of complex structures (e.g. chassis of semi-trailers). Because of this, I have also acquired a huge amount of knowledge in road excitations (random, stationary, ergodic and Gaussian processes).

COMPUTER SKILLS AND COMPETENCES

Operating systems: Windows.
Programming languages: Matlab.
Other software: Microsoft Office (Word, Excel, Powerpoint), Solidworks, NX essentials and intermediate, Sheet Metal Design NX, Teamcenter Integration for NX Users, Teamcenter Schedule Manager NX, Large Assembly Management NX, Solid Edge (fundamentals), Inventor (advanced), ANSYS SpaceClaim (Preparation of Geometries), ANSYS Workbench and Multiphysics, Latex.

REFERENCES   PHD. MARCZAK, ROGÉRIO JOSÉ   rato@mecanica.ufrgs.br
(Researcher/Professor at Universidade Federal do Rio Grande do Sul, UFRGS)

PHD. MOURA, ANGELA B. DEWES   angelab@feevale.br
(Researcher/Professor at Universidade Feevale)

PUBLICATIONS   **Conference papers**

1. Marques, J. M. E. and Marczak, R. J. (2017) "A Comparison among Methodologies for Fatigue Life Calculation in Time and Frequency Domain with Application in the Dynamic Simulation". In: XIII Congresso Ibero-Americano de Engenharia Mecânica (CIBEM), Lisboa, Portugal.

2. Marques, J. M. E. and Marczak, R. J. (2016) "Uma Metodologia para Comparação entre Modelos de Elementos Finitos com Aplicação na Simulação Dinâmica de Implementos Rodoviários". In: XXIV Simpósio Internacional de Engenharia Automotiva (SIMEA), São Paulo, Brazil, Editora Edgard Blücher, pp. 212-231.

3. Marques, J. M. E. and Marczak, R. J. (2016) "Uma Metodologia para Comparação entre Modelos de Elementos Finitos com Aplicação na Simulação Dinâmica de Implementos Rodoviários". In: XXXVII Iberian Latin American Congress on Computational Methods in Engineering (CILAMCE), Brasília, Brazil.

4. Marques, J. M. E., Moura, A. B. D., Piccoli, G. L. and Mello, A. F. (2013) "Avaliação Numérica do Pré-coletor de Particulados de uma Usina de Asfalto". In: XI Congresso Ibero-Americano em Engenharia Mecânica (CIBEM), La Plata, Argentina, pp. 966-975.

5. Marques, J. M. E., Moura, A. B. D. and Mello, A. F. (2013) "Avaliação da Substituição do Material da Carcaça do Motorredutor Automotivo". In: XI Congresso Ibero-americano em Engenharia Mecânica (CIBEM), La Plata, Argentina, pp. 633-647.

6. Marques, J. M. E., Moura, A. B. D., and Braun, A. (2013) "Numerical Evaluation of the Pre-Collector of a Hot Mix Asphalt Plant". In: 22nd International Congress of Mechanical Engineering (COBEM), Ribeirão Preto, Brazil, pp. 6382-6392.

31st May, 2018