

**EUROPEAN
CURRICULUM VITAE
FORMAT**



PERSONAL INFORMATION

Name **MARQUES, JULIAN MARCELL ENZVEILER**

e-mail **nzvjnm@unife.it**

CURRENT POSITION

3rd year PhD student in Engineering Science (Scienze dell'Ingegneria) at University of Ferrara. The main research field is "Variance of Fatigue Damage". Additionally, I have worked on "Fatigue Damage with Multiaxial Random Loading", "Fatigue Damage with non-Stationary Random Loading" and "Uncertainties on Fatigue Damage from Estimated Power Spectrum" since beginning of 2018.

Supporting for Prof. Denis Benasciutti. I often help my advisor to apply exams for undergraduate students. Research activities for companies in collaboration with "Dipartimento di Ingegneria". No grant from University of Ferrara (Position without Scholarship).

EDUCATION

2018 - English Lectureship - First Certificate in English (FCE). Università degli Studi di Ferrara - IUSS Istituto Universitario di Studi Superiori, Ferrara, Italy.

2018 - Italian Language Course. CPIA Centro Provinciale per l'Istruzione degli Adulti, Ferrara, Italy.

2017 - Master's degree in Mechanical Engineering. Federal University of Rio Grande do Sul, Brazil.

2013 - Bachelor degree in Mechanical Industrial Engineering. Feevale University, Brazil.

2004 - Precision Mechanic Technician. "Centro Tecnológico de Mecânica de Precisão (CETEMP) - SENAI", Brazil.

**CONFERENCES AND
SUMMER SCHOOLS**

2019 - AIAS2019 - 48th Conference on Stress Analysis and Mechanical Engineering Design, 4-6 September, Assisi Perugia, Italy.

2019 - 12th International Conference on Multiaxial Fatigue and Fracture (ICMFF12), 24-26 June, Bordeaux, France.

2019 - PhD Summer School AIAS "Mechanics and Multiphysics Modelling of Intelligent Materials and Micro Electro-Mechanical System", 17-20 June, Ferrara, Italy.

2018 - PhD Summer School AIAS "Advance in Design Connection", 11-14 June, Ferrara, Italy.

**EXPERIENCE
HIGHLIGHTS**

Winner of a call for applications (at end of 2018) provided by the "Dipartimento di Ingegneria - Università degli Studi di Ferrara". Admitted to the PhD course in Engineering Science (cycle 33). The final score was 64 up to 80 points (evaluation of qualification and interview). The position held 12 up to 22 admitted candidates

**PERSONAL SKILLS
AND COMPETENCES**

MOTHER TONGUE

OTHER LANGUAGES

Self-assessment
European level ()*

English
German
Italian

PORTUGUESE

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent User	B2	Independent User	B2	Independent User	B2	Independent User	B2	Independent User
A1	Basic User	A1	Basic User	A1	Basic User	A1	Basic User	A1	Basic User
A1	Basic User	A1	Basic User	A1	Basic User	A1	Basic User	A1	Basic User

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

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).

PUBLICATIONS

1. Marques JME, Benasciutti D, Carpinteri A, Spagnoli A. An algorithm for fast critical plane search in CAE durability analysis under multiaxial random loadings – Application to the Carpinteri-Spagnoli-Vantadori (CSV) spectral method. In press in *Fatigue Fract. Engng. Mater. Struct.* 2020.
2. Marques JME, Benasciutti D. More on variance of fatigue damage in non-Gaussian random loadings – effect of skewness and kurtosis. *Proc Struct Integrity* 2020;25:101-11. <https://doi.org/10.1016/j.prostr.2020.04.014>
3. Marques JME, Benasciutti D, Tovo R. Variance of fatigue damage in stationary random loadings: comparison between time- and frequency-domain results. *Proc Struct Integrity* 2019;24:398-07. <https://doi.org/10.1016/j.prostr.2020.02.037>
4. Benasciutti D, Marques JME. An efficient procedure to speed up critical plane search in multiaxial fatigue: Application to the Carpinteri-Spagnoli spectral criterion. In: 12th International Conference on Multiaxial Fatigue and Fracture (ICMFF12), Bordeaux, France; 2019. <https://doi.org/10.1051/mateconf/201930016003>
5. Marques JME, Benasciutti D, Tovo R. Uncertainties on Fatigue Damage under Random Loadings through Spectral Methods. In: Quaderni del DIEM - GMA - Atti di giornate di studio (12), Bologna, Italy; 2019. <http://doi.org/10.6092/unibo/amsacta/6183>

29st June, 2020