

CURRICULUM VITAE



PERSONAL INFORMATION

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| Name/Surname | ROSA DE FINIS |
| Address | N. 13, FRATELLI MANNARINO STREET, 70127 BARI, ITALY |
| Mobile | 3334350585 |
| Telephone | 0805336391 |
| E-mail | <u>rosa.definis@libero.it</u> |
| Nationality | Italian |
| Date of Birth | 01/04/1985 |
| Gender | FEMALE |

WORK EXPERIENCE

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| <ul style="list-style-type: none">• Dates (from –to)• Name and address of employer• Type of sector• Occupation and position held | <p>11/2014-11/2017 Politecnico di Bari PhD Mechanical Engineering Scientific Research in Thermoelastic Strass Analysis and Non destructive controls at “Laboratory of Structural Diagnosis” – Dipartimento di Meccanica,Matematica e Management del Politecnico di Bari</p> <ul style="list-style-type: none">- Thermal methods for fatigue characterisation of metallic and composite materials : Thermoelastic Stress Analysis.- Non destructive techniques for detecting defects in mechanical metallic and composite components.-Tribological characterisation of innovative coatings. <p>Scientific Production:</p> <p>De Finis R., Palumbo D., Ancona F., Galietti U., 2015, “Fatigue limit evaluation of various martensitic stainless steels with new robust thermographic data analysis.”, International Journal of Fatigue, DOI 10.1016/j.jfatigue.2014.12.010.</p> <p>Italian Patent :” Dispositivo indossabile per la misurazione del flusso sanguigno e relativo sistema”.</p> |
| <ul style="list-style-type: none">• Dates (from –to)• Name and address of employer• Type of sector• Occupation and position held | <p>03/2014-11/2014 Politecnico di Bari Scientific Research Research fellow at “Structural Diagnosis Laboratory” – Department of Mechanics, Mathematics and Management of Politecnico di Bari</p> |

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| <ul style="list-style-type: none"> • Main activities and responsibilities | <ul style="list-style-type: none"> - Design of thermo-mechanical experimental tests, study of thermal methods for fatigue limit assessment in metals by means of Infrared Thermography. - Design of nanoindentation experimental tests. - Design of residual stress tests. - Scientifical production : <p>U. Galietti., D. Palumbo, R. De Finis, F. Ancona, 2014, "Fatigue damage evaluation with new thermal methods", Atti della Fondazione Giorgio Ronchi, ISSN 0391-2051</p> <p>U. Galietti., D. Palumbo, R. De Finis, F. Ancona, 2014," Fatigue limit evaluation of martensitic steels with thermal methods", 12th Quantitative InfraRed Thermography Conference, QIRT, Bordeaux 7-11 Luglio, DOI: 10.13140/2.1.2368.7687.</p> <p>U. Galietti., D. Palumbo, R. De Finis, F. Ancona, 2014, "Studio del comportamento a fatica di acciai inossidabili con metodi termici", XXXXIII AIAS Conference, Rimini, 9-12 Settembre, ISBN: 9788869380259.</p> |
| <ul style="list-style-type: none"> • Dates (from –to) • Name and address of employer • Type of sector • Occupation and position held | <p>09/2012 – 03/2014</p> <p>Politecnico di Bari</p> <p>Scientifical Research</p> <p>Research fellow at "Structural Diagnosis Laboratory" – Department of Mechanics, Mathematics and Management of Politecnico di Bari</p> <ul style="list-style-type: none"> - Thermal methods to assess damage behaviour of metals. - Scientifical production : <p>U. Galietti., D. Palumbo, R. De Finis, F. Ancona, 2013, "Analisi del danneggiamento a fatica degli acciai inossidabili martensitici con metodi termici", XXXXII AIAS Conference, Salerno, 11-14 Settembre, ISBN: 9788869380242.</p> <p>U. Galietti., D. Palumbo, R. De Finis, F. Ancona, 2013, "Fatigue damage evaluation of martensitic stainless steel by means of thermal methods", XXII IGF Conference, Roma, 1-3 Luglio, ISBN 978-88-95940-47-2, ISSN 2281-1443.</p> |
| <ul style="list-style-type: none"> • dates (from-to) • Name and address of employer • Type of sector • Occupation and position held | <p>09/2012 – 03/2014</p> <p>Politecnico di Bari</p> <p>Scientifical Research</p> <p>Post degree specialization master in "Sviluppo Materiali Avanzati e Tecnologie Innovative per Turbomacchine per Impiego in Condizioni Estreme".</p> <ul style="list-style-type: none"> - Internship in the Structural Diagnosis Laboratory concerning: <ul style="list-style-type: none"> • Measurement and Analysis of Residual Stress by means of extensometrical methods (Restan System MTS 3000 - Sint Technology). • Fatigue testing. • Thermo-mechanical testing by means of Infrared Thermography. • Non-destructive control to assess defect and anomalies in composites. - Training on the job at Enginsoft, concerning : "Development, Design and Verification of Contact Crawling in a Self-lubricating bushing" by using ANSYS WORKBENCH. - Internship at CETMA concerning : " Study, simulation of a Laser Welding and Post |

Processing Technology”, by means of ANSYS WORKBENCH .

- Internship at ENEA in Laboratory of Metallography.

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| <ul style="list-style-type: none">• dates (from –to) | 03/2012 – 07/2012 |
| <ul style="list-style-type: none">• Name and address of employer | Politecnico di Bari |
| <ul style="list-style-type: none">• Type of sector | Scientific Research |
| <ul style="list-style-type: none">• Occupation and position held | Research fellow at “Structural Diagnosis Laboratory” – Department of Mechanics, Mathematics and Management of Politecnico di Bari |
| <ul style="list-style-type: none">• Main activities and responsibilities | <ul style="list-style-type: none">- Non destructive techniques applied to fatigue characterisation of damage and fatigue behaviour in materials. |
| <ul style="list-style-type: none">• Dates (from –to) | 04/2008 - 05/2008 |
| <ul style="list-style-type: none">• Name and address of employer | S.P.L.I.A.T.T. Engineering Sas |
| <ul style="list-style-type: none">• Type of sector | Design and Engineering |
| <ul style="list-style-type: none">• Occupation and position held | Collaboration |
| <ul style="list-style-type: none">• Main activities and responsibilities | Data Inspection of the roadway, traffic and mobility. |

EDUCATION AND TRAINING

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| <ul style="list-style-type: none">• Dates (from-to) | 05/2012 - 11/2012 I Sessione |
| <ul style="list-style-type: none">• Name and type of organisation providing education | I Facoltà di Ingegneria-Politecnico di Bari |
| <ul style="list-style-type: none">• Title of qualification awarded | Mechanical Industrial Engineer. |
| <ul style="list-style-type: none">• Dates (from-to) | 03/2009 – 03/2012 |
| <ul style="list-style-type: none">• Name and type of organisation providing education | I Facoltà di Ingegneria - Politecnico di Bari Master Degree in Mechanical Engineering (36/S) |
| <ul style="list-style-type: none">• Principal subjects covered | Design of vehicles, Virtual Prototyping, Biomechanics, Industrial Technologies , Fluid Turbomachinery, Engine for Automotive. |
| <ul style="list-style-type: none">• Title of qualification awarded | Master degree in Vehicles |
| <ul style="list-style-type: none">• Votation | 110/110 |
| <ul style="list-style-type: none">• Dates (from-to) | 09/2004 – 03/2009 |
| <ul style="list-style-type: none">• Name and type of organisation providing education | I Facoltà di Ingegneria - Politecnico di Bari Degree in Mechanical Engineering |
| <ul style="list-style-type: none">• Principal subjects covered | Applied Mechanics, Mechanical Design, Fluid Machinery, Experimental Mechanics, Industrial Technologies, Mechanical behaviour of Materials, Materials Science and Technology. |

- Subject of the thesis: Analysis and Optimization of Complex Modular panels for railway use.
- Votation 88/110
- Dates (from-to) 09/1999 – 07/2004
- Name and type of organisation providing education I.T.C. "Vitale Giordano", Bitonto (BA)
- Principal subjects covered Law, Economy, Finance, Business Administration
- Title of qualification awarded Chartered accountant qualification
- Votation 100/100 cum lauda.

OTHER SKILLS AND COMPETENCES

MOTHER TONGUE ITALIAN

OTHER LANGUAGES

ENGLISH
FRENCH
PORTUGUESE

| Comprensione | | Parlato | | Scritto | | | |
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| Ascolto | | Lettura | | Interazione orale | | Produzione orale | |
| B2 | INTERMEDIATE | B2 | INTERMEDIATE | B2 | INTERMEDIATE | B2 | INTERMEDIATE |
| B2 | INTERMEDIATE | B2 | INTERMEDIATE | B2 | INTERMEDIATE | B2 | INTERMEDIATE |
| A2 | BASIC | A2 | BASIC | A2 | BASIC | A2 | BASIC |

RELATIONAL REFERENCES

- Cability to team working .
- Good communication skills acquired during the period of university studies and training.

ORGANISATION REFERENCES

- Cability to organize work, setting priorities and taking responsibility.
- problem solving skills.

TECHNICAL REFERENCES

- Microsoft Office Application (Word, Excel and Power Point)
- AutoCad software, Solid Edge, AnsysWorkbench, Matlab.