

**ROBERTO DIAS ALGARTE**

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EDUCATION**DOCTORATE DEGREE IN MECHANICAL SCIENCES — 2005-2009**

University of Brasília, Unb, Brasília, Brazil

Title: A Life Model for High-Cycle Multiaxial Fatigue Based on a New Measure for the Shear Stress Amplitude, *Advisor:* Edgar Nobuo Mamyia.

SPECIALIZATION IN SOFTWARE DEVELOPMENT — 2000

Federal University of Ceará, UFCe, Brasília, Brazil

Title: Objects, Distributed Systems and Internet, Course Load: 450 hours.

MASTER'S DEGREE IN MECHANICAL ENGINEERING — 1995-1998

University of Brasília, Unb, Brasília, Brazil

Title: A Theoretical-Numerical Study in Large Deformation Plasticity of Single Crystals, *Advisor:* Edgar Nobuo Mamyia.

GRADUATION IN MECHANICAL ENGINEERING — 1990-1995

Federal University of Uberlândia, UFU, Uberlândia, Brazil

EMPLOYMENT HISTORY**PSYCHOANALYST — 2016-CURRENT**

Position: Self-employed

CENTRAL BANK OF BRAZIL — 2002-CURRENT

Position: Senior Analyst

Activity: Credit regulation for agrobusiness

MINISTRY OF JUSTICE OF BRAZIL— 2001-2002

Position: Junior Analyst

Activity: System development in Java

SANTA LUZIA HOSPITAL — 1999-2001

Position: Junior Analyst

Activity: System development in Delphi

FEDERAL DISTRICT GOVERNMENT — 1997-1999

Position: Mechanical Engineer

Activity: Maintenance of machines

PUBLICATIONS

INTERNATIONAL JOURNAL OF FATIGUE

MAMIYA, E. N. ; CASTRO, F.C. ; ALGARTE, R.D. ; ARAÚJO, J.A. . **Multiaxial fatigue life estimation based on a piecewise ruled S-N surface**. International Journal of Fatigue, v. 33, p. 529-540, 2010.

XV BRAZILIAN CONGRESS OF MECHANICAL ENGINEERING

MAMIYA, E. N. ; ALGARTE, R. D. . **A theoretical-numerical study in single crystals large deformation plasticity**. In: XV Brazilian Congress of Mechanical Engineering, 1999, Aguas de Lindóia. Annals of XV Brazilian Congress of Mechanical Engineering, 1999.

IV NORTH-NORTHEAST CONGRESS OF MECHANICAL ENGINEERING

ALGARTE, R. D. ; KOUZAK, Z. ; SAVI, M. A. . **Pseudoelastic Behavior of Hybrid Composite Plates Using Shape Memory Alloy Fibers: In Plane Case**. In: CEM-NNE 96 - IV North-Northeast Congress of Mechanical Engineering, 1996, Recife-PE, 16-20 June. CEM-NNE 96 - IV North-Northeast Congress of Mechanical Engineering, 1996. p. 157-162.

XIII BRAZILIAN CONGRESS OF MECHANICAL ENGINEERING

ALGARTE, R. D. ; SILVA, M. B. ; MACHADO, Á. R. . **Morphology of BUE in ABNT1020 Steel Turning**. In: XIII COBEM, 1995, Belo horizonte. Annals - in CD. Belo Horizonte - MG - Brazil, 1995. v. In CD.

SCIENTIFIC PROJECTS

1. Roberto Dias Algarte. **Morphology of the Build Up Edge (BUE) under Different Cut Conditions in ABNT1020 Steel Turning**. 1995. 10 f. (Graduation in Mechanical Engineering) - Federal University of Uberlândia, National Council for Scientific and Technological Development. Advisor: Álisson Rocha Machado.
2. Roberto Dias Algarte. **Crack Evaluation in Silicon Single Crystals** 1993. (Graduation in Mechanical Engineering) - Federal University of Uberlândia, National Council for Scientific and Technological Development. Advisor: Alberto Arnaldo Raslan.

ENGLISH-PORTUGUESE TRANSLATIONS

ERICH FROMM

1. Erich Fromm and Roberto Dias Algarte. **The Art of Listening**.

EDGAR ALLAN POE

1. Edgar Allan Poe and Roberto Dias Algarte. **Three Tales of C. Auguste Dupin**.

WILLIAM SHAKESPEARE

1. William Shakespeare and Roberto Dias Algarte. **Richard III**.