

willing to relocate

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road-warrior

AIM: SENIOR PROCESS ENGINEER IN A HIGH-TECH COMPANY

Senior Research Engineer in Materials Science and Laser Technology:

- Development of a new process for industrial aluminum welding (patent pending).
- Computer simulation of materials problems allows cost savings and quick inside into the desired concept.
- 50 % increase in duplex steels corrosion resistance in sea water using a new laser processing
- Development of a new cleaning process using a Q-switched YAG laser.

Consulting for SMEs - processes developed:

- Electrical Engineering: Spot welding of high-power electrical devices resist to bending.
- Watches: signal recognition and welding of bracelets.
- Biomaterials: perfectly clean holes in ceramics permit better biocompatibility.

- Aluminum industry: solidification path for commercial 6000-class aluminum alloys.

Management:

- Responsible for two industrial projects.
- Responsible for the acquisition of two laser sources.
- Delegate for an European wide project.
- Delegate for student representation.
- Delegate for computing facilities.

Teaching:

- Teaching-assistant at the Swiss Federal Institute of Technology.
- Training course coordinator.

Areas of expertise:

- Welding
- Laser processing
- Non-destructive analyses
- X-ray diffraction

Years of experience:

- 3
- 5
- 7
- 10

PROFESSIONAL

Swiss Federal Institute of Technology * Researcher sponsored by two Swiss Companies * Teaching-Assistant January/1998 - December/2000	The University of São Paulo * M.Sc. scholarship * High-temperature alloys January/1990 - September/1992
Uniban University - Sao Paulo * Professor * Materials Science course 1997	National Commission for Nuclear Power * Advanced ceramics materials program * Stage January/1989 - December/1989
United Nations * Invited professor * « Training Course on the Basic Use of Lasers in Small Scale Industries » 1997	National Commission for Nuclear Power * X-ray diffraction laboratory * Technician September/1987 - January/1989
Swiss Federal Institute of Technology * Stage * Thermal treatment of ferrous alloys July/1995 - December/1996	Banco Itau S.A. (private bank) * Archivist July/1986 - September/1987
The University of São Paulo * Ph.D. scholarship * Laser processing September/1992 - December/1997	Banco Itau S.A. (private bank) * Office-boy July/1983 - July/1986
State Government of Sao Paulo * High-school teacher * Physics 1991	

EDUCATION

1997	Doctor in Engineering	EPFL & Engineering School of the University of Sao Paulo
1992	Master of Sciences	University of Sao Paulo
1990	Physics Bachelor	Pontifical Catholic University of Sao Paulo

RECENT FOLLOWED COURSES

COURSE	INSTITUTION	YEAR
Open day: competing with information. E-business	International Institute for Management Development - IMD (Switzerland)	2000
Design of graphical interfaces	Swiss Federal Institute of Technology	2000
Introduction to Visual Basic	Swiss Federal Institute of Technology	2000
Supply Chain Management and eBusiness	Arthur Andersen / Geneva	2000
Quality Control at the workplace	Swiss Federal Institute of Technology	2000
Measurements techniques with National Instruments	National Instruments (Switzerland)	2000
Windows NT 4.0 network administrator (Microsoft certified)	Swiss Federal Institute of Technology	1999
Industrial applications of diode lasers	Irepa Laser (France)	1999
Industrial engineering and materials science	Swiss Federal Institute of Technology	1998
Industrial automation	National Instruments (Switzerland)	1998
Life cycle of materials	Swiss Federal Institute of Technology	1998

COMPUTING

- Microsoft certified NT4 network administrator
- Computer process simulation
- Homepage design and publication
- Information Technology specialist (<http://e.business.vila.bol.com.br>)
- Autocad 2000, Databases: Access, PDF, Macromedia tools
- Knowledge of most platforms and ambients, including Linux
- UNIX workstation user
- Regular reader of some specialized magazine on the field

LANGUAGES

Portuguese mother tongue. Fluency in English and French, and knowledge of Spanish.

PUBLICATIONS: Eight articles

CONFERENCES: Nineteen

HOBBIES

Football, sailing, hiking and capoeira.

Married - Born at Sao Paulo, Brazil, in July 09th 1968
Av. de France 55 1004 Lausanne Switzerland

Interested? Then drop me an e-mail
or fax me now at ++41.21.693.4916