

This CV is anonymous for security purposes - In order to obtain access to this candidate, you must be an identified business

Materials Scientist

I wish to work in a Research Center or in the R&D Dept of a company.

My main centers of interest:

- experimental study of metallic materials and ceramics,
- non-destructive analysis techniques (X-ray or neutron scattering, microtomography...)

Work experience

January 1999
November 2002

Post-doc fellow

Mission: Analysis of residual stress and structural changes in materials submitted to irradiation. Research activity carried out in the framework of ESS (European Spallation Source) European Project.

Means: Residual stress measurements carried out at ISIS (Chilton Didcot, UK) and ILL (Grenoble, France).

Investigation of structural changes by small angle scattering carried out at ESRF (Grenoble, France).

Appraisal: Most recent experimental results still under treatment.

September 1994
October 1998

PhD student

Mission: Phd Thesis:

Residual stress analysis in a tool steel coated with plasma-sprayed, stabilised zirconia and submitted to repeated thermal shock; influence of coating characteristics on its thermal fatigue life.

Means: Study of coating's mechanical characteristics carried out at the Open University (Milton Keynes, UK), Materials Dept.

Residual stress measurement carried out at Léon Brillouin Laboratory (CEA, Saclay, France).

Appraisal: Evidence of a correlation between coating's fracture toughness and thermal fatigue life.

Possible cause of coating failure: evolution of residual stress states in substrate's near-interface layers.

February 1994
August 1994

Trainee Research Assistant

Technical Centre of Mechanics Industry (CETIM), Senlis (France)

Mission: Study of damage of steels under rolling fatigue solicitation: realisation of a complete bibliographic study and of first experimental tests on a newly installed laboratory equipment.

Appraisal: Bibliographic report 200p. 73 ref.

Start up of experimental equipment.

October 1992
May 1993

Trainee technician

Sisson Lehmann (Charleville-Mézières, France)

Mission: Project carried out 2 days per week during academic year 1992-93. Realisation of a program for calculation of shot-peening intensities.

Means: QuickBasic programming language.

March 1992
July 1992

Trainee technician

Sisson Lehmann (Charleville-Mézières, France)

Mission: Realisation of a database of sand-blasters standard elements.

Means: DBaseIV Database software.

March 1990
May 1990

Trainee technician

Ford (Charleville-Mézières, France)

Mission: Assistance in realisation of layouts of working areas.

Diplomas and education

September 1994
October 1998

University of Reims / IFTS Charleville-Mézières (France)

PhD Thesis of the University of Reims

Area of specialisation: Materials Science

September 1993
August 1994

University of Technology (UTC), Compiègne (France)

Master of Specialisation (DEA)

Area of specialisation: Applied Mechanics, Acoustics and Materials

August 1991
June 1993

Institute of High Technical Formation (IFTF), Charleville-Mézières (France)

Graduation in Sciences and Technologies

Area of specialisation: Materials Science and Engineering

August 1989
May 1991

High School "François Bazin", Charleville-Mézières (France)

First degree (Technician diploma)

Area of specialisation: Technical Assistant for Engineers

August 1986
May 1989

High School "François Bazin", Charleville-Mézières (France)

A-level in Mathematics and Technologies

Language skills

French

Speaking competence: Native speaker, **Written competence:** Native speaker

Italian

Speaking competence: Fluent, **Written competence:** Fluent

English

Speaking competence: Fluent, **Written competence:** Fluent

Various

Association of ex-students of High School "François Bazin"

Member of the Committee since 1997.

Rockclimbing

Practise on natural sites and on artificial structures.

Medium level (maximum 5+).