

Charles AUBRIOT

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charles.aubriot@ensta.org

31 years, single

Calculation and testing studies engineer

(3 months' notice)

<http://pagesperso-orange.fr/CharlesAubriot>



PROFESSIONAL EXPERIENCES

<i>2004 - 2009</i>	Consultant engineer for ALTRAN - F-92300 Levallois Perret Client prospecting. Pedestrian impact capitalisation. Answer to invitation to tender.
<i>2002 - 2004</i> <i>ALTRAN project</i>	Consultant engineer for ALTRAN Technologies, project for RENAULT Testing and calculation methodology for pedestrian head impact on headlamp. Supplier specifications writing. Finite elements calculation (Radioss). Testing organisation. Engineer trainee supervision. Simulation and validation of the Fixed Bending Lights of Modus (Matlab-Simulink).
<i>2002, 6 months</i> <i>End project</i>	RENAULT S.A. / Body Equipment Engineering Division - F-78288 Guyancourt Testing and calculation methodology for pedestrian head impact on wiper systems (usable for supplier specifications and validation by security department). Partnership with supplier, monthly meetings.
<i>2001, 3 months 1/2</i> <i>Laboratory project</i>	Department of Mechanical & Marine Engineering - University of Plymouth Examination of the ability of fracture surface roughness maps to be incorporated into finite element closure models. Fatigue mechanical testing and crack measurement using ACPD technique. Roughness measurement using stereoscopic technique at SEM. English report.
<i>2000, 3 months 1/2</i> <i>Training period</i>	CEA/DAMIF - F-91680 Bruyères le Châtel - authorized Confidentiel Défense Simulation of ductile material damage under laser shock. Calculation methodology usable for tantalum and aluminum.
<i>1999, 1 months 1/2</i> <i>Training period</i>	CLFA - F-94114 Arcueil YAG Laser conduction welding and treatment of the PEEK by an excimer laser. Finite elements calculation (Fortran 77) and PID modelisation.

EDUCATION

<i>2000 - 2002</i>	Ecole Nationale Supérieure de Techniques Avancées, Paris School of Engineering, French Engineer Diploma obtained from this school <i>Advanced elective modules : Transport systems</i> (Materials Science and Application, Numerical Modelling of fluid Mechanics, Heat transfers in energy process, Space propulsion)
<i>1998 - 2000</i>	Licence & Maîtrise of the Magistère de Physique d'Orsay, Paris XI Equivalent of a Bachelor and a Master of science in physics, with upper second class honours (Classical, quantum and fluids mechanics, Mathematics, Computing, Electromagnetism, Electronics, Optical and Laser physics, Atoms and Molecules, Nuclear physics, Fields and Fluids, Practical work)

COMPUTING & LANGUAGES

<i>Computing</i>	Programming Languages C, Fortran77/90, Caml, Basic
	Calculation tools Matlab, Maple, Castem2000, Radioss, PamCrash
	Operating systems DOS, Windows, Unix, Office, Labview, Xilinx
<i>Languages</i>	French Mother tongue
	English Fluent, 4 months in Plymouth (TOEIC : 770)
	German Basic

INTERESTS

<i>1999 & 2001</i> <i>Interests, Sports</i>	Canapé Club Création - Summer job in a compagny which makes armchair Scholar help, Piano and compositions, Cinema, Climbing, Golf, Skiing
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