

# CURRICULUM VITAE



**CHUON Sotheara**

23, rue des Varennes

Date of birth : March 16, 1990

45 650 Saint Jean Le Blanc, France

Place of birth : Saint-Doulchard (18), France

Nationality : French

☎ +33 (0)7 60 41 97 52

✉ sotheara.chuon@univ-orleans.fr

## *PhD Student in Plasma Physics*

### Research Experience

Since October 2015 : GREMI - UMR 7344 CNRS  
PhD Student in Plasma Physics  
Orléans (45) « Numerical simulation of magnetron sputtering  
France process »  
Simulation  
Plasma Diagnostics  
Linking Fluid Simulations and Molecular Dynamics

Communication with International Act  
« Preliminary study of a non-thermal plasma for drug pollution control » - Y. Baloul, H. Rabat, S. Chuon, D. Hong, O. Aubry - ISNPEDADM - October 26-29, 2015 - La Réunion, France

March - Aug. 2015 : GREMI - UMR 7344 CNRS  
Master Graduation Project - Grade : 15.94/20  
Orléans (45) « Study of electrical discharges interacting with liquides in a  
France plasma multi-pointes-plan reactor »  
Optical characterization of an atmospheric pressure DBD in a mixture of air-argon interacting with liquid Spectrums' simulation

Communication with International Act  
« Experimental study of an electrical discharge at atmospheric pressure » - N. Cerqueira, S. Chuon - 20<sup>th</sup> international conference on gas discharges and their applications - July 6-11, 2014 - Orléans, France

April - June 2014 : GREMI - UMR 7344 CNRS  
Master's degree Internship - Grade : 16/20  
Bourges (18) « Characterization of an electrical discharge »  
France Electrical, optical and thermal characterizations of a gas discharge at atmospheric pressure in a mixture of Ar-CO<sub>2</sub>

Oct. - Nov. 2012 : GREMI - UMR 7344 CNRS  
Bachelor's degree Internship - Grade : 16.83/20  
Bourges (18) « Experimental characterization of an arc discharge »  
France Electrical and thermal characterizations of a gas discharge at atmospheric pressure in a mixture of Ar-CO<sub>2</sub>

### Education

2014-2015 : Master 2 Instrumentation, Metrology, Management of Systems's Performance - specialization : Expertise, Metrology, Diagnostics - Université d'Orléans Antenne de Bourges (18), France

2013-2014 : Master 1 Instrumentation, Metrology, Management of Systems's Performance - specialization : Expertise, Metrology, Diagnostics - Université d'Orléans Antenne de Bourges (18), France

2012-2013 : Licence 3 Physical and Technical Science - specialization : Instrumentation and Measures - Université d'Orléans Antenne de Bourges (18), France

2011-2012 : Licence 2 Physical and Technical Science - specialization : Mechanical Technology / Measures and Sensors - Université d'Orléans Antenne de Bourges (18), France

2010-2011 : Licence 1 Physical and Technical Science » - specialization : Physics, Chemistry, Engeneering Sciences - Université d'Orléans Antenne de Bourges (18), France

2009-2010 : Licence 1 Sciences, Technology - specialization : Mathematics and Computer Science - Université de Nîmes (30), France

2009 : High School Diploma in Science - specialization : Natural Sciences - Lycée Alain-Fournier Bourges (18), France

### Skills

Plasma Physics, Emission Spectroscopy  
Programming : Turbo Pascal  
Physical modelling : Fortran, Scilab, Matlab  
Computer-aided design : Autocad, Inventor, Catia  
Languages : English (intermediate)