**Studies and research**

**2011 Ph.D. Physics**

nonlinear optics : “Dissipative optical structures in fiber laser cavity”

Director : Pr. Ph. Grelu

“Laboratoire Interdisciplinaire Carnot de Bourgogne” [SLCO](http://icb.u-bourgogne.fr/OMR/SLCO/F_welcome.html) UMR 5209 CNRS 21000 Dijon.

University of Bourgogne, Dijon.

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**2005 Magistère physique**

Quantum Electronics - physics of lasers*“Pulse generation in CO2 laser”*

Director :Pr. A.Kellou

University of science and technology Houari Boumediene USTHB Algiers, Algeria.

**2002 Diplôme des Etudes Supérieures (DES)**

Physics of Materials and Components, USTHB, Algiers, Algeria.

**Diverse trainings**

**2010 Preparation for the teaching profession at the University,** University of Bourgogne, France

**2009 English, oral expression,** (20h), Université de Bourgogne, France

**2008 Summer school of nonlinear**, (8 days), Peyresq, France

**2008 Matlab, advanced use,** (30h), University of Bourgogne, France

**2004 Using Matlab,** (20h), USTHB, Algeria