

# Curriculum vitae



## CIVIL AND PROFESSIONAL STATUS:

**Name** : NANHA DJANAN  
**Surname** : Armand Anthelme  
**Date and place of birth** : 29 March 1987, Yaoundé, Cameroon.  
**Marital status** : Single.  
**Nationality** : Cameroonian  
**Professional status** : PhD Student and Secondary school teacher  
**Professional address** : LaMSEBP (*Laboratory of Modelling and Simulation in Engineering, Biomimetics and Prototypes*), Faculty of Sciences, University of Yaoundé I, PO. Box 812 Yaoundé, Cameroon  
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## DIPLOMA:

**2012-2013:** PhD student (3<sup>rd</sup> year) in LaMSEBP, *University of Yaoundé I, Cameroon.*  
**2011-2012:** PhD student (2<sup>nd</sup> year) in LaMSEBP, *University of Yaoundé I, Cameroon.*  
**2010-2011:** PhD student (1<sup>st</sup> year) in LaMSEBP, *University of Yaoundé I, Cameroon.*  
**2009-2010:** Research assistant in LaMSEBP, *University of Yaoundé I, Cameroon.*  
**2007-2009:** **Secondary and high school teacher's diploma 2<sup>nd</sup> level**, Department of Physics, Higher Teachers Training College, *University of Yaoundé I, Cameroon,*  
**2007-2009:** **Master's Degree Diploma of Physics**, Department of Physics, Faculty of Sciences, *University of Yaoundé I, Cameroon,*  
**2004-2007:** **Secondary and high school teacher's diploma 1<sup>st</sup> level**, Department of Physics, Higher Teachers Training College, *University of Yaoundé I, Cameroon,*  
**2004-2007:** **Bachelor's Degree Diploma of Physics**, Department of Physics, Faculty of Sciences, *University of Yaoundé I, Cameroon,*  
**2003-2004:** **G.C.E advanced level**, Government Secondary school Bafang, Cameroon

## TEACHING EXPERIENCE / SCIENTIFIC ASSOCIATION:

- Physics laboratory works-First level course
- Teaching Physics and Technology in Government Bilingual School of Yaounde

- Member of the Yaounde I student chapter of OSA (Optical Society of America).
- Member of CPS (Cameroon Physical Society).
- Member of the SPIE (Society of Photo-optical Instrumentation Engineers).

### **FIELD OF RESEARCH AND SCIENTIFIC DISSERTATIONS:**

#### **\*Field of research:**

**Non-Linear Science** with applications to civil engineering.

#### **\*Topics of research:**

- Modelling
- Active Nonlinear control

#### **\*Scientific Dissertations:**

**1- Armand Anthelme Nanha Djanan.** « Generality on non-ideal systems: Dynamics study and vibration control», Dissertation of **Secondary and high school teacher's diploma 2<sup>nd</sup> level** Diploma of Physics, Department of Physics, Higher Teachers Training College, *University of Yaoundé I*, June 2009, Cameroon.

**2- Armand Anthelme Nanha Djanan.** « Dynamic and Control of a hinged-hinged beam supporting a DC motor », Dissertation of **Master's** Degree Diploma of Physics, Department of Physics, Faculty of Sciences, *University of Yaoundé I*, February 2010, Cameroon.

### **PARTICIPATION OF SEMINARS, SCHOOLS OR CONFERENCES:**

1-ICTP (International Center of Theoretical Physics), **International School on Nonlinear dynamics in complex systems**, 31<sup>st</sup> October-11 November, 2011, Yaoundé, Cameroon.

2- CPS (Cameroon Physical Society) conference, **Low cost high Physics and appropriate solutions to real life problems in developing country**, 2<sup>nd</sup> Edition, 5-9 December, 2011, Yaoundé, Cameroon.

**Poster entitled:** "Experimental control of beam and plates vibration" (**2<sup>nd</sup> price of the best poster session**).

**3- COPROMATH 8, Workshop on Contemporary Problems in Mathematical Physics**, 29 October-10 November, 2012, Cotonou, Bénin Republic.

**4- EGA 2012, 4<sup>th</sup> Conferences "Technology and society"**. 4-6 December, 2012. ENSP, Yaoundé, Cameroon.

**Talk entitled:** "Experimental control of beam and plates vibration"

## **PUBLICATION :**

### **2010**

1- Control of vibration on a hinged-hinged beam under a non-ideal excitation using RLC circuit with variable capacitance, **A.A. Nanha Djanan**, B.R. Nana Nbandjo, P. Woafu.[\(PDF\)](#) Nonlinear Dyn. (2011) **63: 477-489**.

### **2013**

1- Self-synchronization of two motors on a rectangular plate and reduction of vibration, **A.A. Nanha Djanan**, B.R. Nana Nbandjo, P. Woafu.[\(PDF\)](#) accepted for publication in Journal of Vibration and Control (August2013), doi: 10.1177/1077546313506925.

2- Electromechanical control of vibration on a plate submitted to a non-ideal excitation, **A.A. Nanha Djanan**, B.R. Nana Nbandjo, P. Woafu.[\(PDF\)](#) revised end resubmitted for publication in Mechanics Research and Communication (September 2013).

3- Dynamic response of a plate subjected to two moving accelerated DC motors, **A.A. Nanha Djanan**, B.R. Nana Nbandjo, P. Woafu.[\(PDF\)](#) submitted for publication in Meccanica.

## **LANGUAGES KNOWLEDGE.**

- ❖ Excellent French
- ❖ Average English

## **HOBBIES**

Sport, Music, Dance and Cinema.