

CURRICULUM VITAE AND SCIENTIFIC WORKS

Of Talla Mbé Jimmi Hervé

CIVIL AND PROFESSIONAL STATUS:

Date and place of birth: 01 August 1981 in Cameroon.

Marital status : Bachelor.

Nationality : Cameroonian

Professional status: PhD Student

Field of research: Optics

Professional address: LaMSEBP (Laboratory Modelling and Simulation in Engineering and Biological physics), Faculty of Sciences, University of Yaoundé I, P. O. Box 812 Yaoundé, Cameroon

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International representation: -OSA (Optical Society of America) member (President of OSA Yaounde 1 Student Chapter since 2008)

-CPS (Cameroon Physical Society) member

DIPLOMA:

Since 2008: PhD Student in Optics

2005-2007: First Year Doctorate Degree « D.E.A » *University of Yaoundé I, Cameroon.*

2004-2005: Master's Degree Diploma of Physics, Department of Physics, Faculty of Sciences, *University of Yaounde 1, Cameroon,*

2003-2004: Bachelor's Degree Diploma of Physics, Department of Physics, Faculty of Sciences, *University of Yaounde 1, Cameroon,*

2000-2001: G.C.E advanced level, Bilingual Government Secondary School Bafoussam, Cameroon

Also:

2005-2006: Diploma of Teacher For Government Secondary School Grade 2 (DIPES 2), *Higher Teachers' Training College University of Yaoundé I, Cameroon.*

RESEARCH EXPERIENCE:

2007-2010: Researcher with Prof. Paul Wofo

TEACHING EXPERIENCE:

- Laboratory (LaMSEBP) assistant in electronics for first year masters degree course

FIELD OF RESEARCH AND SCIENTIFIC DISSERTATIONS:

***Field of research:**

- 1- Non-Linear Optics
- 2- Electronics
- 2- Dynamics of beam, plate and shell
- 3- Musical instruments

***Topics of research:**

- Non-linear dynamics and Chaos
- Synchronization
- Lasers: VCSELs, Ring Laser, Opto-mechanics
- Modelling and characterization of Musical Instruments

***Scientific Dissertations:**

- J.H. Talla Mbé « Scientific Study of Drum », Dissertation of First Year Doctorate Degree « D.E.A » *University of Yaoundé I, May 2007, Cameroon*
- J.H. Talla Mbé , “*Vibration control of beam by use of smart materials* ” DIPES 2 Dissertation of Higher Teachers' Training College, *University of Yaoundé I* , June 2006, *Cameroon*.

PARTICIPATION OF SEMINARS, SCHOOLS OR CONFERENCES:

-**Third Hands-On Research in Complex Systems School**, University of Buéa, Cameroon, August 02-13, 2010

-**Cameroon Physical Society (CPS) “Low Cost High Physics and Appropriate Solutions to Real Life Problems in Developing Countries.”** University of Yaoundé I, Cameroon, December 08-10, 2009

Talk entitled:“Scientific Study of Drum”

- Alexander Von Humboldt “Kolleg” 2009 “**Specialized Regional Networks to Enhance Research-Development in Cameroon.**” University of Yaoundé I, Cameroon, November 19-21, 2009

Talk entitled “*Mathematical Modeling of Drum and Experimental Investigation*”: *First Price received*

- COPROMATH 6, Workshop on Contemporary Problems in Mathematical Physics. October 31st - November 6th, 2009, Cotonou, Bénin Republic.

Talk entitled “*Mathematical Modeling of Drum and Experimental Investigation*”

- EGA 2008, Transdisciplinary workshop “Complexity science and numerical simulation” and Project Conferences “Pedagogical innovation, integrated research and competencies transfer”.
8-11 September, 2008. ENSP, Yaoundé, Cameroon

PUBLICATIONS IN INTERNATIONAL PHYSICS JOURNALS:

2009

1-**J.H. Talla Mbé** and P. Wofo, “*Electronic Model of VCSELs: Switching Mode, Control of threshold current and saturation*”, Opt. Commun. 282, 2009.

2010

2-**J.H. Talla Mbé**, K.S. Takougang and P. Wofo, “*Chaos and Pulse Packages in Current-modulated VCSELs* “, Phys. Scr.81, 2010.

LANGUAGE

- ❖ Excellent French
- ❖ Average English

HOBBIES and OTHERS

Sport (Football), Games (Chess, Scrabble), Volunteer first-aid worker.