

CURRICULUM VITAE



CIVIL STATUS AND ADDRESS

Name and surname: **Mr. KITIO KWUIMY Cédric Aurélien,**

Born on the 11 August 1978 at Penja, Cameroon

Cameroonian, unmarried without child.

Laboratory of Modelling and Simulation in Engineering and Biological Physics, Department of Physics, University of Yaounde I, Box 812, Yaounde, Cameroon.

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ACADEMIC TRAINING COURSE

❖ Diploma:

2004 until now: Ph.D. student in the Department of Physics, Faculty of Science, University of Yaoundé I, Cameroon. Option: **Modelling and simulation in engineering.**

2003-2004: Diploma with Thesis "D.E.A" of Physics, Department of Physics, Faculty of Science, University of Yaoundé I, Cameroon. Option: **Mechanics.** Grade: **Very Good.**

2001-2003: Master's Degree in Physics (MS.c), Department of Physics, Faculty of Science, University of Yaoundé I, Cameroon. Option: **MECHANICS.** Grade: **Fairly Good.**

1997-2001: Bachelor's Degree Diploma of Physics, Department of Physics, Faculty of Science, University of Dschang, Cameroon. Grade: **Fairly Good.**

1996-1997: G.C.E advanced level, Government Secondary school of Mbanga, Cameroon. Grade: **Fair .**

❖ Scientific Dissertations:

Since 2004: - PhD thesis under the supervision of Prof Wofo Paul. Title: **Modeling, Simulation of self-sustained electromechanical systems with flexible arm.**

2003-2004: - Thesis of Diploma "DEA" under the supervision of Prof Wofo Paul.. Title: **Dynamics and optimisation of electromechanical control of beam vibration under a ϕ^4 mono stable potential: Analytical treatment and finite differences simulation.**

❖ Field of Research

Nonlinear Physics, nonlinear modelling, active control of vibration, numerical and experimental Simulations of real physical systems with applications in NEMS/MEMS/MaEMS.

❖ Publications in International Journals

- 1 - **C.A. Kitio Kwuimy**, B. R. Nana Nbjendjo and P. Wofofo "*Dynamics and optimization of electromechanical control of beam vibrations: Analytical method and finite differences simulations*" , Journal of Sound and Vibration 298, Issue 1-2, p. 180-193 (2006)
- 2- **C.A. Kitio Kwuimy**, and P. Wofofo "*Dynamics of a self-sustained electromechanical system with flexible arm and cubic coupling*" Communications in Nonlinear Science and Numerical Simulation 12(8) 1504-1517 (2007)
- 3- **C.A. Kitio Kwuimy**, and P. Wofofo "*Dynamics and synchronization of self sustained electromechanical systems with flexible arm*" Nonlinear Dynamics (DOI 10.1007/s11071-007-9308-0).
- 4- **C.A. Kitio Kwuimy**, B nana and P Wofofo, "*Experimental study of a self-sustained electromechanical device.*" Journal of Sound and Vibration (submitted) (2007)
- 5- **C.A. Kitio Kwuimy**, and P. Wofofo "*Modelling and dynamics of a self-sustained electrostatic MEMS*" (To be submitted) (2007)

❖ AFFILIATION

- 1- Member of the **Cameroon Physical Society (CPS)**

❖ PARTICIPATION OF SEMINARS, SCHOOLS OR CONFERENCES

1- March 28–April 03, 2006 : Schools on

- *School on modelling of transcriptional regulation networks.*
- *School on modelling of the onset of virulence of a pectinolytic bacteria*
- *School on linear response of chaotic systems and transmission of signals in a dynamical network*

at the Laboratory of Nonlinear Modelling and Simulation in Engineering and Biological Physics, University of Yaounde by **Prof. Jacques Alexandre Sepulchre** of de “**Institut Non linéaire de Nice**”, France.

2- April 19, 2006, Schools on ***nanosystems and carbone nanotube in telecommunication network*** at the Laboratory of Nonlinear Modelling and Simulation in Engineering and Biological Physics, University of Yaounde by **Prof. Esidor NTSOENZOK** of “**Université d’Orléans**” and “**Centre d’Etude et de Recherche par Irradiation et leurs Applications, CNRS**”, Orléans, France.

3- October 20, 2007 to October 26 2007. Third edition of the COPROMAPH International school, in Benin. Organized by International Chair in Mathematical Physics and Application (ICMPA)

4- October 27 2007 to November 02 2007, Fifth edition of the COPROMAPH International workshop in Benin. Organized by International Chair in Mathematical Physics and Application (ICMPA)

COLLABORATORS AND REFERENCES

- **Prof Wofo Paul**, University of Yaounde I, Cameroon,
- **Prof Albert Luo**, Southern Illinois University, United States of America
- **Prof Kofane Timoleon Crepin**, University of Yaounde I, Cameroon,
- **Prof Fai Cornelus** , University of Dschang, Cameroon,
- **Dr Kenfack Anatole**, Max Planck institute of Physics, Germany

PRACTICAL EXPERIENCES

Since October 2006: **UNIVERSITY of Yaoundé 1**, Cameroon. ***Research and Teaching Assistance.***

2004-2005 and 2005-2006: UNIVERSITY of Yaoundé 1, Cameroon.

Tutorials Assistance under the supervision of Prof. Woafu Paul. Course: Acoustics and vibrations of mechanical systems

2005-2006: UNIVERSITY of Yaoundé I

Practical and Tutorials Teachings Assistance

2002-2004: Governmental Organisation Youth Information Center (YIC), Cameroon.

Tutorials teachings assistance in computer science.

1998-2000: University of Dschang, Cameroon. General Secretary of The Physics Club.