

# CURRICULUM VITAE



## CIVIL STATUS AND ADDRESS

Name and surname: **Mr. KEPSEU DJAMPOUOP Wilfred,**

Born on the 08 August 1979 at Yaoundé, Cameroon

Cameroonian, married with one 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 Biological Physics.**

**2003-2004: Diploma with Thesis "D.I.P.E.S" of Physics,** Higher Teacher School Training, University of Yaoundé I, Cameroon. option: **Mechanics.** Grade: **Fairly Good**

**2002-2003: Diploma with Thesis "D.E.A" of Physics,** Department of Physics, Faculty of Science, University of Yaoundé I, Cameroon. Option: **Mechanics.** Grade: **Good.**

**2001-2002: 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 High school of Fouban, Cameroon. Grade: **Fair.**

❖ **Scientific Dissertations:**

Since 2004: - **PhD thesis** under the supervision of **Prof Woafu Paul and Prof Jacques-A. Sepulchre**, Title: **Dynamics of nonlinear network of cells: Application to  $Ca^{2+}$  oscillations and to genetic regulatory network in *Erwinia Chrysanthemi*.**

2003-2004: - Thesis of Diploma "**DIPES**" under the supervision of **Dr Kenfack Jiotsa Aurelien**, Title: **Dynamics of a network of electromechanical system with electrostatic coupling.**

2002-2003: - Thesis of Diploma "**DEA**" under the supervision of **Prof Woafu Paul**, Title: **Dynamics of a self-sustained electromechanical system with electrostatic coupling.**

❖ **Field of Research**

Nonlinear Physics, nonlinear modelling, numerical Simulations and synchronisation of engineering and Biological systems.

❖ **Publications in International Journals**

1 – **Wilfred D. Kepseu** and P. Woafu "*Intercellular waves propagation in an array of cells coupled through paracrine signaling: A computer simulation study*", Phys. Rev. E 73, 041912, p. 1-7 (2006)

2- **Wilfred D. Kepseu** and P. Woafu "*Long range interaction effects on calcium waves propagation*" phys. Rev. E accepted (2007)

3- A. Nchange Kouotou, **Wilfred D. Kepseu** and P. Woafu "*Noise induced intercellular propagation of Calcium waves*" phys. Rev. E accepted (2007)

4- **Wilfred D. Kepseu**, Jacques-A. Sepulchre and P. Woafu, "*Analyzing the dynamics of the transition to pathogenicity in *Erwinia chrysanthemi**" Biophysics (submitted) (2008)

5- **Wilfred D. Kepseu**, Jacques-A. Sepulchre and P. Woafu, "*Analyzing the synchronous transition to pathogenicity in a heterogeneous population of *Erwinia Chrysanthemi**" (To be submitted) (2008)

6- **Wilfred D. Kepseu** and P. Woafu "*Intercellular spiral waves of calcium in a two dimensional network of cells*" (To be submitted) (2008)

7- **Wilfred D. Kepseu**, A. Nchange Kouotou, and P. Wofo “*Noise induced spiral waves of Calcium*” (To be submitted).

#### ❖ 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 the “**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- December 07, 2007, Schools on *Chaos and Synchronisation* at the Laboratory of Nonlinear Modelling and Simulation in Engineering and Biological Physics, University of Yaounde by **Prof. Juan Carlos Miguel** of **University of San Juan, Spain**.

#### COLLABORATORS AND REFERENCES

- **Prof Wofo Paul**, University of Yaounde I, Cameroon,
- **Prof Jacques-Alexandre Sepulchre**, Institut Non Linéaire de Nice, Université de Nice Sophia-Antipolis, CNRS,
- **Prof Kofane Timoleon Crepin**, University of Yaounde I, Cameroon,
- **Prof Yemele David**, University of Dschang, Cameroon,
- **Dr Kenfack Aurelien**, Higher teacher School Training of Yaounde I, Cameroon,