

## CURRICULUM VITAE

### **TAFFOTI YOLONG spouse FONDJO**

**Last name** : TAFFOTI YOLONG *spouse* FONDJO  
**Given name** : Vicky Yolande  
**Date of birth** : June 29<sup>th</sup>, 1977  
**Place of birth** : Njisée (Foumban), Cameroon  
**Sex** : Female  
**Language** : French, English and Italian.

### ADDRESSES

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### EDUCATIONAL BACKGROUND

**Period** : From November, 1<sup>st</sup> 2004 up to now  
**Institution** : University of Yaoundé I, Cameroon / The Abdul Salam ICTP Italy  
**Major** : Nonlinear Modeling and Simulation in Engineering and Biological Physics  
**Degree** : PhD degree (Ongoing)  
**Topic** : ***“Dynamics of network of nonlinear electromechanical systems with rigid and flexible arms: Theory and Experiment”***.  
**Supervisors** : Prof Paul Woafo (Yaoundé I) / Prof Katepalli R. Sreenivasan (ICTP).

**Period** : From October, 1<sup>st</sup> 2002 to September 30<sup>th</sup>, 2004  
**Institution** : The Abdul Salam International Centre for Theoretical Physics, Italy  
**Major** : Mathematical Modeling and simulation of complex realities  
**Degree** : Master degree

**Period** : From October 2001 to September 2002  
**Institution** : University of Yaoundé I, Cameroon  
**Major** : Physics (nonlinear science)  
**Degree** : Postgraduate diploma

**Period** : From October 1999 to April 2001  
**Institution** : University of Yaoundé I, Cameroon  
**Major** : Physics (nonlinear sciences)  
**Degree** : MSc

**Period** : From October 1996 to June 1999  
**Institution** : University of Yaoundé I, Cameroon  
**Major** : Physics  
**Degree** : BSc

**Period** : From September 1995 to June 1996  
**Institution** : Government High School of Mbalmayo (Cameroon)  
**Major** : Mathematics and physics  
**Degree** : Baccalaureate C

## **SCIENTIFIC ACTIVITIES**

**Area and field of interest:** Nonlinear Modeling and Simulation of dynamical Systems: Applications in Engineering and Biological Physics (*Mathematical modeling and simulation in nonlinear dynamics*)

### **Defended works:**

1- “*Synchronization in a ring of mutually coupled electromechanical devices*,” Postgraduate diploma thesis, University of Yaoundé I, Cameroon. October 2004. Supervisor: Prof Paul Woafo.

2- “*Solution of the advection-diffusion equation with a random variable diffusivity*,” Master thesis, The Abdul Salam ICTP, Italy. September 2004. Supervisor: Prof Katepalli R. Sreenivasan

3- “*Acoustic of string and beam instruments: Mvet and Balafon application*,” Master thesis, University of Yaoundé I, Cameroon. April 2001. Supervisor: Prof Paul Woafo.

### **Ongoing works:**

**“*Dynamics and synchronized states in network of magnetic and piezoelectric electromechanical and micro-electro-mechanical systems (MEMS): Theory and Experiment*”**. Ph.D. thesis, University of Yaoundé I, Cameroon / The Abdul Salam ICTP, Italy.

**Supervisors:** Prof Paul Woafo / Prof Katepalli R. Sreenivasan.

## **Professional experience:**

Teaching Assistant: tutor undergraduate students and assist Professors for the correction of exams.  
University of Yaoundé I, October 2001-september 2002

## **Publications:**

- 1- "Synchronization in a ring of mutually coupled electromechanical devices" by V. Y. Taffoti Yolong and P. Woafo, *Physica Scripta*, **74** 591-598 (2006).
- 2- "Dynamics of electrostatically actuated micro-electro-mechanical systems" by V. Y. Taffoti Yolong and P. Woafo. *ICTP Preprint*, IC/2006/087 (*under review in International Journal of Bifurcation and Chaos*).
- 3- "Complete Synchronization Condition in a Network of Piezoelectric Micro beam" by V. Y. Taffoti Yolong and P. Woafo. *ICTP Preprint* (*Under process for publication*).

## **Workshop and Conferences Attended:**

- *Conference and Research Workshop: Perspectives on Nonlinear Dynamics* (Satellite Metting of STATPHYS 23), (The Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy, 16 July – 27 July 2007).
- *1<sup>st</sup> US-AFRICA Nanosciences Workshop*, (iThemba LABS, Cape Town, South Africa, 27<sup>th</sup> – 28<sup>th</sup> January 2007).
- *6<sup>th</sup> Edward Bouchet – Abdus Salam Institute International Conference (EBASI)*, (iThemba LABS, Cape Town, South Africa, 23<sup>rd</sup> – 26<sup>th</sup> January 2007).
- *The Inter-African Research Group in Analysis, Geometry and Applications (GIRAGA)* (Abomey-Calavi, Bénin, 1<sup>st</sup> – 10<sup>th</sup> December 2004).
- *Summer School and Conference on Dynamical Systems*, (The Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy, 19 July – 6 August 2004).
- *Workshop on Modeling in Life and Material Sciences and in Technology*, (The Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy, 8 March - 2 April 2004).
- *Conference on University Pedagogy*, (The University of Yaoundé I, Yaoundé, Cameroon, 13<sup>th</sup> – 14<sup>th</sup> February 2002).

## **COMPUTER SKILLS**

Matlab, Programming in C, Turbo Pascal, FORTRAN, Window, Linux system, UNIX system.

**HOBBY** Saxophone, music, reading, cinema, and swimming.