

CURRICULUM VITAE

TAFFOTI YOLONG spouse FONDJO

Last name : TAFFOTI YOLONG *spouse* FONDJO
Given name : Vicky Yolande
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ADDRESSES

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EDUCATIONAL BACKGROUND

Period : From November, 1st 2004 up to now
Institution : University of Yaoundé I, Cameroon / The Abdus 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 Woafu (Yaoundé I) / Prof Katepalli R. Sreenivasan (ICTP).

Period : From October, 1st 2002 to September 30th, 2004
Institution : The Abdus 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 Wofo.
- 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 Wofo.

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 Wofo / 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. Woafu, *Physica Scripta*, **74** 591-598 (2006).
- 2- “Dynamics of electrostatically actuated micro-electro-mechanical systems” by V. Y. Taffoti Yolong and P. Woafu. *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. Woafu. *ICTP Preprint* (*Under process for publication*).

Workshop and Conferences Attended:

- *Conference and Research Workshop: Perspectives on Nonlinear Dynamics* (Satellite Meeting of STATPHYS 23), (The Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy, 16 July – 27 July 2007).
- *1st US-AFRICA Nanosciences Workshop*, (iThemba LABS, Cape Town, South Africa, 27th – 28th January 2007).
- *6th Edward Bouchet – Abdus Salam Institute International Conference (EBASI)*, (iThemba LABS, Cape Town, South Africa, 23rd – 26th January 2007).
- *The Inter-African Research Group in Analysis, Geometry and Applications (GIRAGA)* (Abomey-Calavi, Bénin, 1st – 10th 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, 13th – 14th February 2002).

COMPUTER SKILLS

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

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