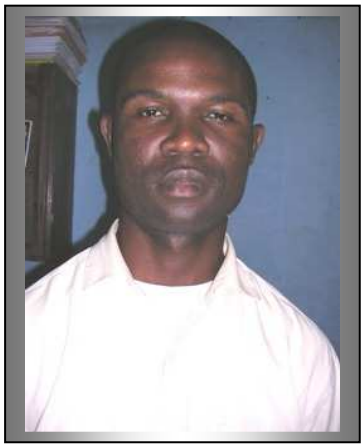
CURRICULUM VITAE of M. SIEWE SIEWE



Name and Surname: **SIEWE SIEWE MARTIN**
Date and Place of birth: **10 July 1970 at Yaoundé-CAMEROON**
Marital Status: **Married**
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Faculty of sciences,
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EDUCATION

2007: Ph.D in Physics at the *University of Yaounde I*
2001-2002: Post Diploma (DEA) at the *University of Yaounde I*
1999-2001: Master (Maîtrise) at the *University of Yaounde I*
1994-1999: Bachelor degree in Physics at the *University of Yaounde I*
1992-1993: General Certificate of Education Advanced Level **(**GCE AL**),** Government Bilingual High School of Yaounde

TRAINING COURSES AND PROFESSIONAL EXPERIENCE

2000 – 2007: Graduate assistant involved in Tutorials and Laboratories at Department of Physics, Faculty of Sciences, University of Yaounde I.
2000 – 2002: Teacher of Mathematics and Physical Sciences at the Government Technical High School of Nkolbisson -Yaounde"

RESEARCH INTEREST

Nonlinear Dynamics, Earthquakes dynamics, Statistical Physics, Computational Physics in Condensed Matter, Chaos control and it application in Engineering, and biology, Numerical simulation of complex structures.

Research Stay abroad and Scientific Meetings

6 July 2007 - 3 August 2007: Short visit Program in Condensed Matter Section at the **"ICTP",** Trieste, Italy.
16 July 2007- 27 July 2007: Conference and Research Workshop: Perspectives on Nonlinear Dynamics
20 April 2006 - 19 July 2006: Research stay at the **"Grupo de Dinámica No Lineal y Caos",** University of Rey Juan Carlos, Madrid-SPAIN.
Title 1: Transition to chaos in a Van der Pol oscillator subjected to parametric and external periodic forced: case of three-well potential.
Spiker: M. Siewe Siewe
Reference: Universidad Rey Juan Carlos, Madrid-Spain, (7 July 2006).

Title 2: Collective Skipping: A periodic Phase Locking in Ensembles of Bursting Oscillators,
Spiker: Gougei
Reference: Universidad Rey Juan Carlos, Madrid-Spain, (10 July 2006).

Title 3: Computation of Melnikov function and its application in some nonlinear oscillators,
Spiker: Hongjun Cao
Reference: Universidad Rey Juan Carlos, Madrid-Spain, (12 July 2006)

13-14 February 2002: Participant at the Seminar on University Pedagogy week ''Necessities, Objectives and Practice'', University of Yaoundé I.

REFEREED JOURNAL PUBLICATIONS AND PREPRINTS

Title 1: Resonance oscillations and Homoclinic Bifurcation in a Φ^6-Van der Pol oscillators,
Authors: M. Siewe Siewe, F. M. Moukam Kakmeni**,** and C. Tchawoua
Reference: Chaos Solitons and Fractals**,** vol 21 pp. 841-853, 2004

Title 2: Bifurcations and Chaos in Periodically and externally driven Φ^6-Van der Pol Oscillators
Authors: M. Siewe Siewe, F. M. Moukam Kakmeni**,** C. Tchawoua, and P. Woafo
Reference: Physica A, vol 357 pp. 383–396, 2005.

Title 3: Non-linear response of self-sustained electromechanical seismographs to fifth resonance excitations and chaos suppression,
Authors: M. Siewe Siewe, F. M. Moukam Kakmeni**,** S. Bowong and C. Tchawoua
Reference: Chaos Solitons and Fractals**,** vol 29 pp.431-445, 2006.

Title 4: Slow Flow solutions and chaos control in an electromagnetic seismometer system,
Authors: Sihem A. Lazzouni, **M. Siewe Siewe, F**. M. Moukam Kakmeni, and S. Bowong
Reference: Chaos Solitons and Fractals**,** vol 29 pp.988-1001, 2006.

Title 5: Nonlinear Response and Suppression of Chaos by Weak Harmonic Perturbation inside a Triple Well Φ^6-Rayleigh Oscillator Combined to Parametric Excitations,
Authors: **M. Siewe Siewe**, F. M. Moukam Kakmeni**,** C. Tchawoua, and P. Woafo
Reference: Journal of Computational and Nonlinear Dynamics, vol. 1 pp. 196-204, 2006

Title 6: Secure communication via parameter modulation in a class of chaotic systems,
Authors: S. Bowong, F.M. Moukam Kakmeni, and **M. Siewe Siewe**
Reference: CNSNS, vol.12 pp. 397–410, 2007

Title 7: Adaptive synchronization of chaotic driven oscillators with nonlinear coupling,
Authors: S. Bowong, F.M. Moukam Kakmeni, and **M. Siewe Siewe**
Reference: CNSNS, accepted 2005, In Press

Title 8: Slow Flow solutions and chaos control in an electromagnetic seismometer system,
Authors: Sihem A. Lazzouni, **M. Siewe Siewe,** F. M. Moukam Kakmeni, and S. Bowong
Reference: ICTP-PREPRINT IC/2005/025, Miramare-Trieste (May 2005).

FORTHCOMING PAPER

1 - M. Siewe Siewe, S. B. Yamgoué, C. Tchawoua, and F. M. Moukam Kakmeni, Nonlinear responses of suspended mass, chaos and detection of homoclinic and heteroclinic chaos in an electromechanical seismometer, Submitted to ASME.

2 - M. Siewe Siewe, Hongjun Cao and, Miguel A. F. Sanjuan, on the occurrence of chaos in parametrically driven Extended Rayleigh Oscillator with three-well potential, in press to CSF.

3 - M. Siewe Siewe, Hongjun Cao and, Miguel A. F. Sanjuan, Effect of nonlinear dissipation on the boundaries of basin of attraction in driven two-well Rayleigh-Duffing oscillator, in press to CSF.

4- M. Siewe Siewe, C. Tchawoua, S. Tchatchueng, and F. M. Moukam Kakmeni, Nonlinear dynamics of parametrically driven particle in a Φ^6 Potential, Submitted to Nonlinearity.

5- M. Siewe Siewe, F. M. Moukam Kakmeni, C. Tchawoua, and P. Woafo, Nonlinear response, and homoclinic chaos of driven charge density in plasma, ICTP-PREPRINT, accepted for publication (July 2007).

COMPUTER SKILLS

- Operational systems :
  - Windows (95, 98, 00, NT, XP),
- Nets: Internet.
- Programming languages: Turbo Pascal,
- Secretary packages: Microsoft office, Latex.

OTHER

Languages: Fée-fée, French, English.
Hobbies: Music, Traditional culture, Internet, Sport.

Fait à Yaoundé, le 07 décembre 2007

SIEWE SIEWE Martin