

# CURRICULUM VITAE

## CIVIL STATUS AND ADDRESS

Name: **METSEBO Jules**,  
Born on the 06 January 1988 at Yaoundé, Cameroon  
Cameroonian, unmarried without child.  
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## ACADEMIC TRAINING COURSE

**2013 until now: Ph.D. student** in the Department of Physics, Faculty of Science, University of Yaoundé I, Cameroon. (Topic: **Damage detection and vibration reduction on mechanical structure under external excitation** under supervision of **Prof WOAFO Paul** and **Dr NANA NBENDJO**) Option: **Bio-engineering and Mechatronics**.

**2010-2012 Master's Degree in Physics (M.Sc.)**, Department of Physics, Faculty of Science, University of Yaoundé I, Cameroon. (Topic: **Méthodes vibratoires du contrôle de qualité** under supervision of **Dr NANA NBENDJO**). Option: **Bio-engineering and Mechatronics**. Grade: **Very Good**.

**2007-2010: Bachelor's Degree Diploma of Physics**, Department of Physics, Faculty of Science, University of Yaoundé I, Cameroon. Grade: **Average**.

**2006-2007: High School Degree**. Option: **Mathematics and Physical Science** at General Leclerc High School of Yaoundé I, Cameroon. Grade: **Average**.

## GENERAL KNOWLEDGE ACQUIRED

Functioning of biological systems (nervous system, auditory system, kidney...)

Nonlinear dynamics of beams (Euler – Bernoulli and Timoshenko theories) and bending plates (Reissner – Mindlin and Timoshenko theories).

Damage detection on flexible vibrating structures.

Numerical methods for solving algebraic equations, partial differential equations and ordinary differential equations (linear and non-linear).

## CONFERENCES, SEMINARS AND WORKSHOPS

- **December 2012 Yaoundé – Cameroon:** Participant of 4<sup>th</sup> EG@ meeting on Training Research Innovation Development, in Polytechnic Yaoundé/ Formation-Recherche-Innovation-développement.

- **December 2011 Yaoundé – Cameroon:** Second International Conference of the Cameroon Physical Society on: ‘**Low cost high physics and appropriate solution to real life problems in developing countries**’.

### Computer science skills

**Scientific programming:** Fortran, Matlab, Maple, Latex;

**Imaging software:** Matlab, Scientific Work Place;

**Operating system:** Windows

**Microsoft Office pack:** Word, PowerPoint, Excel, Open Office, etc.

### Learned societies

#### February 2013 up to now

Member of SPIE-Cameroon Student Chapter

#### February 2013 up to now

Member of the American Society of Optic (O.S.A)

#### February 2013 up to now

Member of the Cameroon Physical Society (C.P.S)

### FIELD OF INTEREST

Nonlinear physics, modelling of nonlinear systems, damage detection from dynamics of rigid and flexible structures, physics applied to local development problems.

### REFERENCES

- Pr WOAFO Paul, Full Professor in the Department of Physics, Head of the Laboratory of Modelling and Simulation in Engineering, Biomimetics and Prototypes ([www.lamsebp.org](http://www.lamsebp.org)) at University of Yaoundé I, [pwoafo@lamsebp.org](mailto:pwoafo@lamsebp.org) / [pwoafo1@yahoo.fr](mailto:pwoafo1@yahoo.fr)

- Dr NANA NBENDJO Blaise Romeo, Lecturer in the Department of Physics, member of the Laboratory of Modelling and Simulation in Engineering, Biomimetics and Prototypes ([www.lamsebp.org](http://www.lamsebp.org)) at the University of Yaoundé I, [nananbendjo@yahoo.com](mailto:nananbendjo@yahoo.com) / [brnana2@gmail.com](mailto:brnana2@gmail.com) , <http://brnana2.googlepages.com/home>

### LANGUAGES

French (native), English (Good), Ghomala'a (mother's tongue)

### HOBBIES

Football, Taekwondo, music.