

# Essossolim Cyrille Haliya



## About me

I'm a nice fellow with particular eye on details.

## Contact

- 👤 Born on 18/03/1991, Age 31
- ✉ cyzille19@gmail.com
- ✉ upworkcyesso@gmail.com
- 📞 +22890938165
- 📍 Agoe Daliko  
123 Lome (TG), Togo
- 👤 Cyrille
- ✉ Research Gate: Cyrille Haliya
- ✉ ORCID: 0000-0002-1737-2455
- 📺 My Youtube channel: Innover sans diplome
- 🌐 Upwork: Cyrille
- 🚗 Driving License B

## Languages

- 🇬🇧 English - L: C1, R: C1, W: B2, SP: B2, SI: B2
- 🇫🇷 Kabiye - Native
- 🇬🇧 Ewe - Native
- 🇫🇷 French - L: C2, R: C2, W: C2, SP: C2, SI: C2



## EDUCATION

2016-2018



**M.Sc in Mathematical Physics**  
**University of Abomey-calavi**

📍 Cotonou, Benin

*International Chair in Mathematical Physics and its Application*

Thesis title: General second order q-difference equation.

2010-2014



**B.Sc in Physics**

**University of Lome**  
**Faculty of Science**

📍 Lome, Togo

Main: Algebra, Analysis, Optics, Electromagnetism, Thermodynamic, Chemistry, Mechanic, Quantum physics, Numerical analysis

## WORK EXPERIENCE

2020-Today

**Mathematics Teacher in High technical schools**

📍 Lome, Togo

*Lycée d'Enseignement Technique de Lome (LETP L)*

Main: Algebra, Analysis, Geomerty, Precalculus, Statistics

2021-Today

**Freelance**

📍 ONLINE

*Upwork plateform*

Main: Translation, App tester, Graphic design, Webmaster

2021-Today

**Digital marketing,**

📍 ONLINE

*Upwork plateform*

Main: Multimedia animation, Youtube channel content creator, Social media marketing

2019-Today

**Translator and Live interpreter,**

📍 ONLINE and ONSITE(Lome, Togo)

*Upwork plateform*

Main: English to French translation and vice versa, Video subtitler and transcriber, English to Kabiye reviewer

## INFORMATION TECHNOLOGY SKILLS

Data Analysis

**PYTHON:** *Higly Specialized*

**C++:** *Intermediate*

**MATLAB:** *Basic*

Modeling

**Python :** *Intermediate*

Multimedia animation

**Adobe Premiere Pro :** *Advanced*

**Adobe Photoshop :** *Advanced*

**Adobe Audition :** *Advanced*

**Adobe After Effect :** *Advanced*

Office Automation

**MS Office (Excel, Word, PowerPoint):** *Advanced*

**LaTeX:** *Higly Specialized*

## </> PROGRAMMING LANGUAGES

• **Python:** Advanced

• **Matlab:** Basic

• **C/C++:** Intermediate

• **SQL:** Intermediate



## Soft Skills and Strengths

- Creativity Curiosity Flexibility
- Self Confidence Ability to Plan and Organize
- Autonomy Adaptability Eye for Details
- Problem Solving Team Working
- Love Learning New Things Leadership
- Good Communication Managing Information
- Diplomacy Good Listener Patience

## Professional Skills

- Multimedia animation content creator
- Translator Live interpreter
- Social media administrator Tutor

## Other Interests

- Piano 🎹
- Travels 🌍
- Gym 💪
- Books 📖



Essossolim C. Haliya

## WORKSHOPS ATTENDED

September 2021	<b>African School of physics</b> <i>Physics teaching in African high schools</i>	📍 ONLINE
Jan to Feb 2020	<b>Mathematical modelling of ecological and socio-economic systems</b> <i>African Institute of Mathematical Sciences (Senegal) and Leibniz Centre for Tropical Marine Research</i> Main: Introduction to Mathematical modelling and Python Modelling predator-prey interactions, disease spreading, plankton ecosystem and cultural segregation	📍 M'Bour, Senegal
July 2019	<b>Mathematical Modeling and Technological innovations</b> <i>Africa School of Mathematics and Mathematics department of the University of Lome</i> Mathematical modeling and applications	📍 Lome, Togo

## PUBLICATIONS

Journal 2022	<b>Cyrille Essossolim Haliya and Gbevewou Damien Hound-edji,</b> , A double construction of quadratic anticentersymmetric Jacobi-Jordan algebras,, <i>Accepted for publication in Quasigroups and Related Systems (2022)</i> , <a href="#">doi</a>
Journal 2021	<b>Cyrille Essossolim Haliya and Gbevewou Damien Hound-edji,</b> , Hom-Jacobi-Jordan and Hom-antiassociative algebras with symmetric invariant nondegenerate bilinear forms,, <i>Quasigroups and Related Systems 29 (2021), 61-88.</i> , <a href="#">doi</a>
Journal Article 2021	<b>Kossi Amouzouvi, Kétévi A. Assamagan, Somiéalo Azote, Simon H. Connell, Jean Baptiste Fankam Fankam, Fenosoa Fanomezana, Aluwani Guga, Cyrille E. Haliya, Toivo S. Mabote, Francisco Fenias Macucule, Deephney Mathebula, Azwinndini Muronga, Kondwani C. C. Mwale, Ann Njeri, Ebode F. Onyie, Laza Rakotondravohitra, George Zimba,</b> , A model of COVID-19 pandemic evolution in African countries,, <i>Scientific African vol. 14 (2021) e00987. arXiv:2104.09675,</i> , <a href="#">doi</a> doi: <a href="https://doi.org/10.1016/j.sciaf.2021.e00987">https://doi.org/10.1016/j.sciaf.2021.e00987</a> .
Journal article 2021	<b>Kétévi A. Assamagan, Somiéalo Azote, Simon H. Connell, Cyrille E. Haliya, Toivo S. Mabote, Kondwani C. C. Mwale, Ebode F. Onyie, George Zimba,</b> , A study of COVID-19 data from African countries,, <i>International Journal of Public Health and Epidemiology, Vol. 10 (8), pp. 001-016, August, 2021, arXiv:2007.10927,</i> , <a href="#">doi</a> <a href="https://doi.org/10.46882/IJPHE/1235">https://doi.org/10.46882/IJPHE/1235</a> .
Journal Article 2021	<b>Cyrille Essossolim Haliya and Gbevewou Damien Hound-edji,</b> , On a pre-Jacobi-Jordan algebra: relevant properties and double construction,, <i>submitted in Communication in Algebra for publication</i> , <a href="#">doi</a> arXiv:2007.06736,

## CERTIFICATES



- Python for Data Science, AI & Development (*Coursera, 2020*)



- Data Processing with MATLAB (*Mathworks, 2018*)



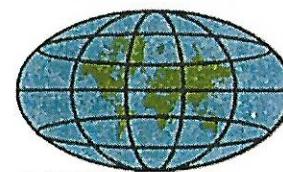
- Machine Learning with MATLAB (*Mathworks, 2018*)
- Adobe Audition, Adobe Premiere Pro, Adobe Photoshop (*Udemy, 2019*)
- Adobe After effects



UNIVERSITE D'ABOMEY-CALAVI  
(UAC)

REPUBLIQUE DU BENIN

MINISTERE DE L'ENSEIGNEMENT SUPERIEUR  
ET DE LA RECHERCHE SCIENTIFIQUE



INTERNATIONAL CHAIR IN MATHEMATICAL PHYSICS  
AND APPLICATIONS (ICMPA-UNESCO CHAIR)

## DIPLÔME DE MASTER OF SCIENCE

### MASTER DEGREE CERTIFICATE

N° 78-19/UAC /FAST/CIPMA/Pr/\$\$/SA

- Vu l'Arrêté Ministériel n°2012-711/MESRS/CAB/DC/SGM/DGES/R-UAC/R-UP/SA du 31 décembre 2012 portant organisation du Diplôme de Master dans l'Enseignement Supérieur en République du Bénin
- Vu l'Arrêté N°024/MESRS/CAB/DC/SGM/SP du 19 avril 2002 portant création, organisation, attribution et fonctionnement de la Chaire Internationale en Physique Mathématique et Applications (CIPMA);
- Vu le procès-verbal de délibération du jury en date du 31 décembre 2018;

Il est délivré à M./It is awarded to Mr ..... HALIYA Essossolim Cyrille .....

né (e) le/DOB .....18/03/1991..... à (Ville/City) ..... Lome ..... (Pays/Country).....Togo.....

inscrit(e) à l'Université d'Abomey-Calavi sous le numéro matricule/Registration number ..... 30125517.....



## Le Diplôme de Master of Science en Physique Mathématique de la Matière

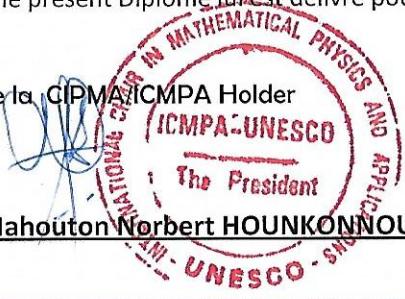
*The degree of Master of Science in Mathematical Physics of the Material Universe*

Mention: Bien / Distinction

En foi de quoi, le présent Diplôme lui est délivré pour servir et valoir ce que de droit./ *In witness whereof, this authentic certificate is issued to him to serve all useful purposes.*

Fait à Abomey-Calavi, le 19 mars 2019.

Le Titulaire de la CIPMA/ICMPA Holder



Professeur Mahouton Norbert HOUNKONNOU

L'impétrant(e)/Holder

F.Cyrille

Le Recteur de l'Université d'Abomey-Calavi/Rector

Professeur Maxime da Cruz

Enregistré au Rectorat le 13/03/2019 Sous le N° 042/19/UAC/R-AA/SA  
N.B : Ce Diplôme n'est délivré qu'une seule fois/only one certificate is issued



MINISTRE  
DES AFFAIRES ETRANGERES  
ET DE LA COOPERATION  
REPUBLIC DU BENIN

*Direction Nationale  
de l'Interprétation et de la Traduction*

N° 2971 MAEC/SG/SGA/DNIT/SLA



01 BP 318  
Cotonou-Bénin  
Tél : +229 21 30 04 00  
Fax : +229 21 30 56 81

Cotonou, on 14 AOUT 2020

### TRANSLATION

Source language: French

Translator: D.J. KATCHON



UNIVERSITY OF ABOMEY-CALAVI  
(UAC)

REPUBLIC OF BENIN

MINISTRY OF HIGHER EDUCATION AND SCIENTIFIC RESEARCH

### **DEGREE OF MASTER OF SCIENCE MASTER'S DEGREE CERTIFICATE**

INTERNATIONAL CHAIR IN MATHEMATICAL PHYSICS  
AND APPLICATIONS (ICMPA-UNESCO CHAIR)

No 78-19/UAC/FAST/CIPMA/Pr/SS/SR

- Considering Ministerial Decree No 2012-711/MESRS/CAB/DC/SGM/DGES/R-UAC/R-UP/SA dated December 31, 2012 on the organization of the Master's Degree in Higher Education in the Republic of Benin;
- Considering Decree No 024/MESRS/CAB/DC/SGM/SP dated April 19, 2002 on the establishment, organization, powers and running of International Chair in Mathematical Physics and Applications (ICMPA);
- Considering examining board's deliberation minutes dated December 31, 2018;

It is awarded to Mr. HALIYA Essossolim Cyrille

Born on **18/03/1991** in (City) **Lomé**, (Country) **Togo**

Registered at Abomey-Calavi University under number **30125517**;

### **The Degree of Master of Science in Mathematical Physics of the Material Universe**

**Grade: Second Class Honors (Upper Division)**

In witness whereof, this Degree Certificate is issued to him to serve and avail as of right.

Issued in Abomey-Calavi, on March 19, 2019.

ICMPA Holder  
*[Seal & illegible signature]*  
**Professor Mahouton Norbert HOUNKONNOU**

The Holder  
*[Illegible signature]*

The Vice-Chancellor of Abomey-Calavi University,  
*[Seal & illegible signature]*  
**Professor Maxime da Cruz.**

Registered at the Vice-Chancellor's Office, on 13/03/2019 under No 042-19/UAC/VR-AA/SA  
Note: Only one certificate shall be issued

*The National Director  
of Interpreting and Translation*  
**Dossy M. Edwige HOUNDJEMONH**  
*Directeur*  
*MAEC*

Code DNIT No 020.664 / Code BANK No 0020849/A

*The Permanent Secretary  
of the Ministry*  
**Hervé D. DJOKPE**  
*Ambassador*  
*MAEC*

REPUBLIQUE DU BENIN  
MINISTERE DES AFFAIRES ETRANGERES

N° 04-730/L.0 M.A.E

Vu, pour la Certification Matériel de la

Signature de: Monsieur Herivel

D. DTSOKO, Secrétaire Général

du Ministère des

Affaires Etrangères

Cotonou, le 17 octobre 2020

Directrice des Affaires Consulaires  
et des Béninois de l'Extérieur

JULIENNE

Lydia A. GANYETHON



Superlegalizační doložka

Podle ověřovací knihy Velvyslanectví ČR v Abuji  
poř. č. DV 554/2020

Ověřuje se pravost podpisu  
LYDIA A. GANYETHON

jakož i úředního razítka  
HV BENINU

V Abuji dne 12-10-2020

Jméno/a a příjmení ověřující osoby, která superlegalizaci provedla  
Gabriela IDEHEN

Otisk úředního razítka a podpis ověřující osoby



THIS IS A PDF SCORE REPORT, DOWNLOADED AND PRINTED BY THE TEST TAKER.

**Name:** HALIYA, Cyrille Essossolim  
 Last (Family/Surname) Name, First (Given) Name Middle Name

**Email:** exude.glorify@gmail.com

**Gender:** M

**Date of Birth:** 18 Mar 1991

**Registration Number:** 2465 1071 9054 0845

**Test Date:** 12 Jul 2019

**Sponsor Code:**



HALIYA, Cyrille Essossolim  
 072 BP 50  
 Lome,  
 Benin

**Country of Birth:** Togo

**Native Language:** Other

**Test Center:** STN14659A - ESEP-LE Berger Universite

**Test Center Country:** Benin

| Inst. Code | Dept. Code

### TOEFL iBT Scaled Scores

Reading	.....	20
Listening	.....	15
Speaking	.....	17
Writing	.....	21
<b>Total Score</b>	.....	<b>73</b>

19

**ID Type:** National ID

**ID No.:** xxxxxxxxxxxxxxxxxxxxxx3820

**Issuing Country:** Togo

Reading Skills	Level	Your Performance
Reading	Intermediate	<p>Test takers who receive a score at the <b>INTERMEDIATE</b> level, as you did, typically understand academic texts in English that require a wide range of reading abilities, although their understanding of certain parts of the texts is limited.</p> <p>Test takers who receive a score at the <b>INTERMEDIATE</b> level typically</p> <ul style="list-style-type: none"> <li>have a good command of common academic vocabulary but still have some difficulty with high-level vocabulary;</li> <li>have a very good understanding of grammatical structure;</li> <li>can understand and connect information, make appropriate inferences, and synthesize information in a range of texts but have more difficulty when the vocabulary is high level and the text is conceptually dense;</li> <li>can recognize the expository organization of a text and the role that specific information serves within a larger text but have some difficulty when these are not explicit or easy to infer from the text; and</li> <li>can abstract major ideas from a text but have more difficulty doing so when the text is conceptually dense.</li> </ul>

Listening Skills	Level	Your Performance
Listening	Intermediate	<p>Test takers who receive a score at the <b>INTERMEDIATE</b> level, as you did, typically understand conversations and lectures in English that present a wide range of listening demands. These demands can include difficult vocabulary (uncommon terms or colloquial or figurative language), complex grammatical structures, and/or abstract or complex ideas. However, lectures and conversations that require the listener to make sense of unexpected or seemingly contradictory information may present some difficulty.</p> <p>When listening to conversations and lectures like these, test takers at the <b>INTERMEDIATE</b> level typically can</p> <ul style="list-style-type: none"> <li>understand explicitly stated main ideas and important details, especially if they are reinforced, but may have difficulty understanding main ideas that must be inferred or important details that are not reinforced;</li> <li>understand how information is being used (for example, to provide support or describe a step in a complex process);</li> <li>recognize how pieces of information are connected (for example, in a cause-and-effect relationship);</li> <li>understand, though perhaps not consistently, ways that speakers use language for purposes other than to give information (for example, to emphasize a point, express agreement or disagreement, or convey intentions indirectly); and</li> <li>synthesize information from adjacent parts of a lecture or conversation and make correct inferences on the basis of that information, but may have difficulty synthesizing information from separate parts of a lecture or conversation.</li> </ul>

Speaking Skills		Level*	Your Performance
Speaking about Familiar Topics	Limited		Your responses indicate some difficulty speaking in English about everyday experiences and opinions. Listeners sometimes have trouble understanding you because of noticeable problems with pronunciation, grammar, and vocabulary. While you are able to respond partially to the questions, you are not able to fully develop your ideas, possibly due to limited vocabulary and grammar.
Speaking about Campus Situation	Limited		Your responses indicate that you have some difficulty speaking in English about information from conversations, newspaper articles, university publications, and so on. While you are able to talk about some of the key information from these sources, limited grammar and vocabulary may prevent you from fully expressing your ideas. Problems with pronunciation make it difficult for listeners to understand you at times.
Speaking about Academic Course Content	Fair		Your responses demonstrate that you are able to speak in English about academic reading and lecture material, with only minor communication problems. For the most part, your speech is clear and easy to understand. However, some problems with pronunciation and intonation may occasionally cause difficulty for the listener. Your use of grammar and vocabulary is adequate to talk about the topics, but some ideas are not fully developed or are inaccurate.
Writing Skills		Level*	Your Performance
Writing based on Reading and Listening	Fair		You responded to the task, relating the lecture to the reading, but your response indicates weaknesses such as <ul style="list-style-type: none"> <li>• an important idea or ideas may be missing, unclear, or inaccurate;</li> <li>• there may be unclarity in how the lecture and the reading passage are related; and/or</li> <li>• grammatical mistakes or vague/incorrect uses of words may make the writing difficult to understand.</li> </ul>
Writing based on Knowledge and Experience	Fair		You expressed ideas with reasons, examples, and details, but your response indicated weaknesses such as <ul style="list-style-type: none"> <li>• you may not provide enough specific support and development for your main points;</li> <li>• your ideas may be difficult to follow because of how you organize your essay or because of the language you use to connect your ideas; and/or</li> <li>• grammatical mistakes or vague/incorrect uses of words may make the writing difficult to understand.</li> </ul>

#### **THIS IS A PDF SCORE REPORT, DOWNLOADED AND PRINTED BY THE TEST TAKER.**

This score report provides four section scores and a total score. An analysis of your strengths and weaknesses in English is included. The level pertaining to each skill should not be generalized beyond the performance on this test. Skill levels and their associated descriptions are not intended for use by institutions as part of their admissions criteria and will not be shared unless you grant permission.

**Information About Scores:** The following scaled scores are reported for the TOEFL iBT test. A total score is not reported when one or more sections have not been administered. These scores have the following ranges:

Sections	Scaled Scores
Reading	0-30
Listening	0-30
Speaking	0-30
Writing	0-30
<b>Total Score</b>	0-120

**Score Legends:**

Reading Skills	
Level	Total Scaled Score Range
High	22-30
Intermediate	15-21
Low	0-14

Speaking Skills	
Level	Total Scaled Score Range
Good	26-30
Fair	18-25
Limited	10-17
Weak	0-9

Listening Skills	
Level	Total Scaled Score Range
High	22-30
Intermediate	14-21
Low	0-13

Writing Skills	
Level	Total Scaled Score Range
Good	24-30
Fair	17-23
Limited	1-16
Score of Zero	0

**Institution Codes:** The code numbers shown on page 1 of this report are the ones you selected before you took the test. If any institution code you selected is missing, it was incorrect and the TOEFL® Program was unable to send a score report to that institution.

DEPT.	WHERE THE REPORT WAS SENT
00	Admissions office for undergraduate study or an institution or agency that is not a college or university
01, 04-99	Admissions office for graduate study in a field other than management (business) or law according to the codes selected when you registered
02	Admissions office of a graduate school of management (business)
03	Admissions office of a graduate school of law

Additional information about TOEFL iBT scores can be found on the Test Takers section of the TOEFL website at [www.ets.org/toefl](http://www.ets.org/toefl).

\* Skill levels for speaking and writing individual skills are estimates of performance at the item level. The total writing and speaking scaled scores and ranges are more accurate. Therefore it is not appropriate to combine the individual skill levels. Doing so may lead to apparent inconsistencies between the diagnostic feedback and reported writing and speaking scores.

**IMPORTANT NOTE TO SCORE USERS:** This is a PDF score report, downloaded and printed by the test taker. Therefore, ETS cannot guarantee that it has not been altered. To verify the scores on this report, please contact the TOEFL Score Verification Service at +1-800-257-9547 or +1-609-771-7100. Scores more than two years old cannot be reported or validated.



United Nations  
Educational, Scientific and  
Cultural Organization



INTERNATIONAL CHAIR IN MATHEMATICAL PHYSICS AND APPLICATIONS (ICMPA)



UNESCO CHAIR IN MATHEMATICAL PHYSICS AND APPLICATIONS

established in 2006 at the University of Abomey-Calavi (Republic of Benin)



UNITWIN/UNESCO Chairs – Twinning networks and university networks

University of Abomey-Calavi

TO WHOM IT MAY CONCERN

**English proficiency of Cyrille Essossolim HALIYA.**

I, the undersigned Professor Ezinvi BALOÏTCHA Scientific Secretary and member of teaching staff at International Chair in Mathematical Physics and Applications (ICMPA-UNESCO CHAIR) certify that M. Cyrille Essossolim HALIYA was taught in English for a two years (2016-2018) Master of Science program in Mathematical Physics.

M. Cyrille Essossolim HALIYA has been one of my students, and he is able to follow any advanced level course, write scientific articles and express himself fluently in English.

In witness whereof, this document has been issued to serve and avail where required.

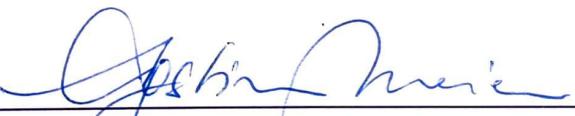
Cotonou, 20th September 2019



**Prof. Ezinvi BALOÏTCHA**

This is to certify that **Cyrille Essossolim Haliya** attended a course organised by the African Institute of Mathematical Sciences (Senegal) and the Leibniz Centre for Tropical Marine Research (Germany) on "**Mathematical modelling of ecological and socioeconomic systems**" during the period **27-31 January 2020 at AIMS, MBour Senegal.**

The course included an introduction to mathematical modelling and python and covered aspects related to the modelling of predator-prey interactions, disease spreading, plankton ecosystems, and cultural segregation. The main computational tools considered were differential equation models and agent-based models.



**Prof. Dr. Agostino Merico**

Leibniz Centre for Tropical Marine Research - ZMT, Germany

**ON BEHALF OF:**

**Prof. Dr. Mouhamed Moustapha Fall**

African Institute for Mathematical Sciences - AIMS, Senegal

**Dr. Jailson F. Moura**

Leibniz Centre for Tropical Marine Research - ZMT, Germany



Université  
de Lomé



## ATTESTATION DE PARTICIPATION

**ECOLE MATHEMATIQUE AFRICAINE (EMA) Lomé 2019**

*Thème : Modélisation mathématique et innovations technologiques*

Le Président du comité d'organisation, le Responsable scientifique et le Chef du Département de Mathématiques soussignés attestent que :

M. **HALIYA Essossolim Cyrille**, *Université d'Abomey Calavi (Bénin)*

a effectivement participé à l'École Mathématique Africaine tenue à l'Université de Lomé (Togo) du 1<sup>er</sup> au 13 juillet 2019 sur le thème « *Modélisation mathématique et innovations technologiques* ».

Lomé le 13 juillet 2019

Le Président du Comité d'Organisation

Dr DJIBIBE Moussa Zakari (MC)

Le responsable scientifique de l'EMA

Professeur KANGNI Kinvi

Le Chef du Département de Mathématiques

MAGNANI Kodjo Essonana, Ph.D.