



PROFILE

I am post doctoral researcher in Computer Engineering with FUN Team at Inria Lille Europe-Nord Research Center in France. Since July 2021, I am a Ph.D. holder in Computer Science in the Doctoral Training Unit of Mathematics, Computer Science and Applications of the University of Ngaoundéré. Apart from my technical skills, I describe myself as a cheerful person who is pleasant to work with. I have a passion for new technologies and I like the work well done.

CONTACT

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Damien WOHWE SAMBO

Ph.D. in Computer Engineering

WORK EXPERIENCE

- **FUN Team, Inria Lille Europe-Nord, France | PostDoct researcher**
June 2022 – Today
- **The University Institute of Technology of Ngaoundéré | Temporary lecturer**
October 2020 – Today
 - Introduction to Information Systems (BTS 1).
 - Introduction to Software Engineering (BTS 1).
 - Object-Oriented modelling in UML (BTS 2).
- **Faculty of Science of the University of Ngaoundéré | Temporary lecturer**
September 2018 – Today
 - Introduction to Computer Science (L1MA).
 - Web Application Engineering (L3IN).
 - Datawarehouse (M1IN).
- **Analysis and treatment of statistical data | Trainer**
April 2018 – Today
 - Getting started with the software IBM SPSS.
 - Processing and interpretation of survey data.
- **Faculty of Science of the University of Ngaoundéré | Academic assistant**
November 2017 – July 2018
 - Monitoring of students.
 - Management of tutorials and practical works at the Department of Mathematics and Computer Science.
- **Kountac inc. | Web developer & mantainer**
August 2016 – Today
 - Development of the web application Kountac.fr for the online sale of African products using symfony framework.
 - Maintenance, adding of new functionalities and optimising.

EDUCATION

- **Ph.D. in Computer Engineering / The University of Ngaoundéré, Cameroon** (Mention : Very Honourable)
April 2016 – July 2021
Doctoral Unit Training - Mathematics, Computer Science and Applications (UFD-MIAP).
Thesis co-directed by the University of Bremen and the University of Ngaoundéré
Title: “Desing of a Wireless Underground Sensor Network for Precision Agriculture”
Field of study: Internet of Underground Things (IoUT)
- **Master of Science in Computer Engineering / The University of Ngaoundéré, Cameroon** (Grade : B+ (Top 5))
October 2012 – January 2016
Systems and Software in Distributed Environments (SLED).
Grade : B+ (top 5)

PROGRAMMING SKILLS



DIGITAL SKILLS

- Windows / Ubuntu OS / Debian
- Microsoft Office, Libre Office
- Latex
- Pymakr
- Espressif ESP-IDF
- Arduino IDE
- Castalia
- Contiki / Cooja
- Symfony

■ Bachelor of Science in Computer Engineering / The University of Ngaoundéré, Cameroon.

October 2009 – July 2012

Computer's network and Architecture (AR).

Grade : C+ (1st)

■ Baccalaureate C / Bilingual High School of Ngaoundéré, Cameroon.

September 2008 – July 2009

Mathematics and Physics.

Grade : D+

INTERNSHIP AND SCHOLARSHIP

AUF – Mathinbio Doctoral College / the National Institute for Research in Digital Science and Technology (Inria), France.

January 2022 – March 2022

ERASMUS + / The University of Bremen, Germany.

May 2021 – July 2021

Intra ACP - ERMIT Project / The University Cheikh Anta Diop of Dakar, Senegal.

December 2018 – December 2019

NETWORK AND MEMBERSHIP

Reviewer for scientific journals (see [Web of science's account](#)).

IEEE Internet of Things Journal, IEEE GLOBECOM, EURASIP (Springer), Computer Communications (Elsevier), Applied Soft Computing (Elsevier), International Journal of Electronics and Communications (AEÜ-Elsevier), PeerJ Computer Science (PeerJ), etc.

April 2019 – Today

Responsible for monitoring training activities within the Association for the Promotion of Geomatics and Sustainable Development (AG2D), Ngaoundéré, Cameroon.

April 2018 – Today

Google Developer Group's member (GDG) of Ngaoundéré, Cameroon.

April 2016 – January 2019

SELECTED LIST OF PUBLICATIONS

Journals (4)

- **A new fuzzy logic approach for reliable communications in wireless underground sensor networks**

<https://link.springer.com/article/10.1007/s11276-022-03008-7>

D. Wohwe Sambo, B. O. Yenke, A. Förster, J. Ndong, P. Dayang and I. Sarr

Wireless Networks (Springer Nature), <https://doi.org/10.1007/s11276-022-03008-7>, 2022.

- **Combining Fuzzy Logic and K-Nearrest Neighbor Algorithm for Recommendation Systems**

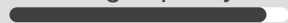
<http://www.mecspress.org/ijitcs/v13n4.html>

P. Dayang, C. Sepele Petsou and D. Wohwe Sambo

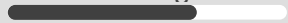
International Journal of Information Technology and Computer Science (IJITCS), volume 13, number 4, pp. 1 – 16, 2021.

GENERAL SKILLS

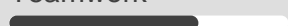
Learning capacity



Stress management



Teamwork



Supervision of students



LANGUAGES

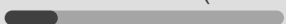
French: Good (Fluent)



English: Fairly good (casual)



German: Poor (seldom)



- **Wireless Underground Sensor Networks Path Loss Model for Precision Agriculture (WUSN-PLM)**
<https://ieeexplore.ieee.org/abstract/document/8964471/>
D. Wohwe Sambo, A. Förster, B. O. Yenke, I. Sarr, B. Gueye and P. Dayang.
IEEE Sensors Journal, volume 20, number 10, pp. 5298 – 5313, 2020.
- **Optimized Clustering Algorithms for Large Wireless Sensor Networks: A Review**
<https://www.mdpi.com/1424-8220/19/2/322>
D. Wohwe Sambo, B. O. Yenke, A. Förster and P. Dayang.
Sensors (MDPI), volume 19, number 2, pp. 1–27, 2019.

International Conference (1)

- **A new approach for path loss prediction in wireless underground sensor networks**
<https://ieeexplore.ieee.org/document/9000669>
D. Wohwe Sambo, A. Förster, B. O. Yenke, and I. Sarr
in *2019 IEEE 44th Local Computer Networks Symposium on Emerging Topics in Networking (LCN Symposium 2019)*, Osnabrück, Germany, 14 – 17th October 2019

TRAININGS AND WORKSHOPS ATTENDED

AIMS-Cameroon Mathematics and its Applications Meeting (ACMAM), Limbé, Cameroon.

12 – 14 January 2022

2nd Mathinbio doctoral college meeting (AUF), Catholic University of Central Africa (Ekounou campus), Yaoundé, Cameroon.

6 – 10 December 2021

1st International Conference Local Resource Exploitation (LOREXP), Ngaoundéré, Cameroon.

20 – 23 April 2021

1st Mathinbio doctoral college meeting (AUF), Catholic University of Central Africa (Nkolbisson campus), Yaoundé, Cameroon.

26 – 30 October 2020

9th Conference sur la Recherche en Informatique et ses Applications (CNRIA), Saint-Louis, Senegal.

25 – 28 April 2019

REFERENCES

- **Anna FÖRSTER** – anna.foerster@uni-bremen.de
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Professor, Department of Sustainable Communication Networks, the University of Bremen, Germany.
- **Idrissa SARR** – idrissa.sarr@ucad.edu.sn
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Professor, Department of Mathematics and Computer Science, the University Cheikh Anta Diop of Dakar, Senegal.
- **Blaise Omer YENKE** – boyenke@univ-ndere.cm
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Associate Professor, Department of Computer Engineering, the University Institute of Technology of Ngaoundéré, Cameroon.
- **Paul DAYANG** – pdayang@univ-ndere.cm
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