

# Yoweri Nseko | Resumé

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## 📖 Research Interests

- Volcanoseismotectonics
- Seismic cycle
- Seismic Tomography
- Exploration Geophysics

## 🎓 Education

### Northwestern University

Evanston, IL

Certificate: **PhD in Geology,**

2023 – 2028

I will be starting my postdoctoral studies in Geology at Northwestern University in fall 2023 in the department of Earth and Planetary Sciences.

### The Abdus Salam International Center for Theoretical Physics (ICTP)

Trieste, Italy

Certificate: **Postgraduate diploma ( Earth systems physics),**

2022 – 2023

I attended a one year postgraduate diploma at ICTP in the Earth Systems Section. I majored in solid earth physics and my diploma thesis was on Rayleigh wave ambient noise tomography of Southern Italy.

### University of Rwanda(EAIFR-ICTP partner Institute)

Kigali, Rwanda

Certificate : **Masters in Geophysics , Joined for ICTP,Trieste with one year left to finish**

Nov 2021 – Aug 2022

Courses: Classical Mechanics, Quantum Mechanics, Special relativity and Advanced Electrodynamics, Mathematical Methods for Physicists, and Numerical Methods

### Makerere University (MUK)

Kampala, Uganda

Certificate : **Bachelor of Science with Education(Physics and Mathematics) , First class honours**

2016 – 2020

### Namasagali College

Kamuli, Uganda

Certificate: **Uganda Advanced Certificate of Education)**

March 2013 – Nov 2015

Subjects : *Physics, Mathematics and Chemistry*

### Busedde College Bugaya

Jinja, Uganda

Certificate: **Uganda Certificate of Education**

Feb 2010 – Nov 2013

## 📄 Key Skills

- **Programming:** -
  - Numerical Analysis: Python, FORTRAN, MATLAB.
- **Proficiency in the use of Statistical tools:**- Microsoft/Libre Office.
- **Interpersonal skills:** -
  - A great command in both written and spoken of English and Lusoga
  - A believer in the dignity of hard work.
  - A dedicated team player.
  - Ability to work with people of diverse backgrounds.
- **Performance:** - Attention to detail, eager to learn and an excellent time keeper.
- $\text{\LaTeX}$  typesetting.

## Employment History

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### Rines Secondary School, part time

Kampala

#### Responsibilities:

- Teaching physics and mathematics.
- Served as the head of Physics Department

June 2019 – June 2021

### Mathematics Teacher, St Julian High School Gayaza

Wakiso, Uganda

#### Responsibilities:

- Teaching
- Successfully Organized Mathematics Contests

Feb 2020 – June 2021

## Conferences and Seminars

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### SSBW 2023

*Seismology Skills Building Workshop*

Participant

This workshop was organized by EarthScope under IRIS.

### GEO@EAIFR

*East African Institute for Fundamental Research*

Participant

Please find all the seminars attended on the channel [GEO@EAIFR](#)

## Leadership

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**Head of Physics Department** Rines SS Namusera

*(2020–2021)*

**Vice President**, Makerere University Physics Society

*(2018–2019)*

## Award and Honors

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**PhD in Geology**, I was awarded a full scholarship for postdoctoral studies at Northwestern University

2023

**Abdus Salam award**, Full scholarship for PGD in Earth Systems physics study at ICTP

*(Aug 2022)*

**Abdus Salam award**, Full scholarship to study masters at University of Rwanda(EAIFR, ICTP partner Institute)

*(Nov 2021)*

## Hobbies and Interests

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- Travelling and hiking
- Reading articles and literature
- Sports; football, Basketball

## REFERENCES

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### Doctor Daniel Mukiibi

Professor,  
Physics, Makerere University,  
Kampala, Uganda

✉ [daniel.mukiibi@mak.ac.ug](mailto:daniel.mukiibi@mak.ac.ug)

### Professor Riccardo Farneti

Research Scientist,  
International Centre for Theoretical Physics ,  
Trieste, Italy

✉ [rfarneti@ictp.it](mailto:rfarneti@ictp.it)

### Doctor Omololu Akin Ojo

Senior Lecturer,  
Director East African Institute for Fundamental Research ,  
Kigali,Rwanda

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### Professor Abdelkrim Aoudia

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The Abdus Salam International Center for Theoretical Physics  
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